

## **APPENDIX G**

### **DEPOSITION ESTIMATES FOR FUTURE PROJECTIONS BASED ON THE SAMI STRATEGIES**

## G.1 Introduction

The responses of the SAMI sites to changes in future deposition were assessed by simulating site response to three future deposition patterns based on three emissions control strategies. The strategies (described in the body of this report) were designated as On-The-Way (OTW), Bold-With-Constraints (BWC), and Beyond Bold (BYB). OTW is the reference strategy that represents SAMI's best estimates for acidic deposition controls that have been promulgated and are relatively certain. BWC and BYB assume progressively larger emissions reductions.

This appendix contains tables of deposition-related variables for each site in the SAMI analysis. In these tables, each site is identified by a unique ID number assigned for the SAMI project. Table G-1 gives this same SAMI ID number along with the full name, location, and SAMI landscape classification group (bin number) for each site as a reference aid.

## G.2 Implementation of Future Strategies

For each strategy simulation, the deposition in future years is specified as a fraction of the deposition in the reference year 1995. For the strategy simulations, the deposition changes have a spatial component and different sequences of future changes are used for different SAMI sites.

### G.2.1 Changes in S and N

The atmospheric modelling subcontractor specified percentage changes (relative to the 1995 Reference Year values) in **total deposition** of S, oxidized N and Reduced N for the years 2010 and 2040, for each of the three strategies. It was assumed that the changes in deposition were linear between 1995 and 2010, and between 2010 and 2040. The percentage changes in S were applied to SO<sub>4</sub> deposition, the changes in oxidized N were applied to NO<sub>3</sub> deposition, and the changes in reduced N were applied to NH<sub>4</sub> deposition. The relative changes simulated are changes in total deposition. These are implemented in MAGIC by assuming that wet, dry and occult deposition all change by the same relative amount. These percent changes in total deposition were the revised strategy changes provided in October of 2001.

The percentage changes from the atmospheric models for each scenario and each SAMI site are given in Tables G-2, G-3 and G-4. These percent changes were applied to the 1995 Reference Year total deposition for each SAMI site to produce the future deposition in 2010 and 2040 for each site and each scenario (Tables G-5, G-6, and G-7). The distributions of the percentage changes across all SAMI sites is presented for all three strategies in Figures G-1, G-2, and G-3). The distributions of the total deposition across all SAMI sites is presented for the Reference Year, 1995 in Figure G-4, and the final year, 2040, of all three strategies in Figures G-5, G-6, and G-7.

### *G.2.2 Changes in Base Cations*

The atmospheric modelling subcontractor also specified percentage changes in deposition of some base cations. These changes were specified as percent changes in wet deposition and separate percent changes in dry deposition, for the years 2010 and 2040, for each of the three strategies. It was assumed that the changes in deposition were linear between 1995 and 2010, and between 2010 and 2040. These percent changes were provided in June of 2001, and were not subsequently modified (as were the changes in S, reduce N and oxidized N).

These percent changes were very small compared to the percent changes in S, reduced N, and oxidized N, and are thus not plotted as distributions in this appendix. The percent changes in total deposition (resulting from the individual changes in wet and dry plus occult) are tabulated in Tables G-2, G-3, and G-4.

Table G-1. Names, locations, and ID's of SAMI sites. The SAMI ID is a unique identifier assigned to each site. This ID is used in other tables in this appendix without the name and location data. Elevations are in meters. The "Bin Number" identifies the landscape classification unit to which each site belongs (all sites used in the regional analysis have a non-zero bin number, special interest sites have bin number zero). The table is arranged alphabetically in ascending order by SAMI ID. The number of sites is 164.

Stream Name	Site ID	Latitude	Longitude	Elev (m)	State	Bin No.	Site Type
GRASSES CREEK-DRY BRANCH	2A068015U	36.701	81.622	1048	VA	7	regional
Sugar Cove Branch Of N. River	2A07701	35.320	84.100	610	TN	4	regional
Cosby Creek	2A07805	35.790	83.240	436	TN	4	regional
Roaring Fork	2A07806	35.820	82.890	670	NC	4	regional
LITTLE RIVER	2A07810L	35.670	83.677	433	TN	0	special
LITTLE RIVER	2A07810U	35.628	83.541	811	TN	0	special
False Gap Prong	2A07811	35.700	83.380	549	TN	3	regional
Correll Branch	2A07812	35.680	83.090	884	NC	4	regional
Eagle Creek	2A07816	35.500	83.760	579	NC	4	regional
Forney Creek	2A07817	35.510	83.560	732	NC	3	regional
Grassy Creek	2A07821	35.460	82.280	552	NC	4	regional
Brush Creek	2A07823	35.320	83.520	549	NC	4	regional
Whiteoak Creek	2A07828	35.230	83.620	960	NC	4	regional
Catheys Creek	2A07829	35.210	82.790	689	NC	4	regional
Brush Creek	2A07834	35.110	83.260	838	NC	4	regional
Middle Saluda River	2A07835	35.120	82.540	329	SC	4	regional
Little Branch Creek	2A07882	35.450	83.060	936	NC	4	regional
Dunn Mill Creek	2A08802	34.950	84.440	506	GA	4	regional
Bear Creek	2A08804	34.820	84.570	567	GA	4	regional
Weaver Creek	2A08805	34.870	84.300	488	GA	4	regional
Bryant Creek	2A08810	34.610	84.000	448	GA	4	regional
Persimmon Creek	2A08901	34.910	83.500	596	GA	4	regional
SPRIGS HOLLOW	2B041020L	39.562	78.424	168	WV	8	regional
NO NAME	2B041049U	39.110	78.441	378	VA	5	regional
Elk Run	2B047032	38.632	79.586	823	WV	8	regional
STRAIGHT FORK	2B047044U	38.498	79.611	899	VA	8	regional
LOWER LEWIS RUN	2B047076L	38.305	78.746	354	VA	0	special
LOWER LEWIS RUN	2B047076U	38.285	78.719	543	VA	6	regional
WHITES RUN	2B058015U	37.780	79.291	500	VA	2	regional
NO NAME	2C041033U	39.363	79.735	671	WV	10	regional
Buffalo Creek	2C041039	39.261	79.755	576	WV	12	regional
Thunderstruck Creek	2C041040	39.249	79.601	658	WV	11	regional
NO NAME	2C041043U	39.238	79.167	671	WV	12	regional
Right Fork Clover Run	2C041045	39.148	79.715	485	WV	12	regional
Coal Run	2C041051	39.040	79.616	558	WV	9	regional
RIGHT FORK HOLLY RIVER	2C046013L	38.569	80.418	448	WV	12	regional
Johnson Run	2C046033	38.347	80.408	704	WV	9	regional
Hateful Run	2C046034	38.351	80.259	879	WV	9	regional
NORTH FORK CHERRY RIVER	2C046043L	38.231	80.416	937	WV	10	regional
NORTH FORK CHERRY RIVER	2C046043U	38.233	80.407	954	WV	0	special
Hedricks Creek	2C046050	38.125	80.982	603	WV	12	regional

Table G-1. Continued.							
Stream Name	Site ID	Latitude	Longitude	Elev (m)	State	Bin No.	Site Type
LAUREL CREEK	2C046053L	38.129	80.553	823	WV	11	regional
LITTLE CLEAR CREEK	2C046062L	37.998	80.569	866	WV	12	regional
Crawford Run	2C047007	38.759	79.923	607	WV	12	regional
CLUBHOUSE RUN	2C047010L	38.632	79.760	920	WV	10	regional
CLUBHOUSE RUN	2C047010U	38.630	79.745	969	WV	11	regional
Butler Branch	2C057004	37.956	80.943	721	WV	10	regional
JOHNSON MILL BRANCH	2C066026L	36.247	85.038	488	TN	11	regional
NO NAME	2C066027L	36.270	84.865	454	TN	11	regional
NO NAME	2C066027U	36.245	84.872	489	TN	9	regional
WALLACE BRANCH	2C066039L	36.002	85.005	527	TN	12	regional
GLADY FORK	2C077022U	35.525	85.475	555	TN	11	regional
1306	BJ35	36.118	82.084	1420	TN	2	regional
M S3 N2 2	BJ72	35.331	82.672	1717	NC	2	regional
CDB	BJ76	35.358	83.383	971	NC	0	special
BEFPR	BJ77	35.368	82.935	971	NC	0	special
Belfast Creek	BLFC	37.580	79.467	317	VA	0	special
Un-named eastern Trib	CO01	34.876	84.600	707	GA	3	regional
Hickory Creek	CO05	34.940	84.648	390	GA	3	regional
Bear Brook	CO06	34.921	84.532	427	GA	4	regional
Beech Creek	CO10	34.979	84.566	472	GA	3	regional
Deep Run	DR	38.266	78.743	415	VA	0	special
Deep Run	DR01	38.266	78.743	415	VA	6	regional
Little Stonecoal Run	DS04	38.991	79.396	932	WV	9	regional
Stonecoal Run (left branch)	DS06	39.002	79.388	1127	WV	0	special
Stonecoal Run (right branch)	DS09	39.007	79.383	1115	WV	9	regional
Fisher Spring Run	DS19	39.002	79.360	1011	WV	0	special
Unnamed	DS50	39.026	79.363	1097	WV	0	special
Fernow - WS10	FN1	39.064	79.681	713	WV	0	special
Fernow - WS13	FN2	39.063	79.679	695	WV	0	special
Fernow - WS4	FN3	39.056	79.688	744	WV	9	regional
GSMNP Noland Creek - NE fork	GS01	35.565	83.480	1740	NC	2	regional
GSMNP Noland Creek - NW fork	GS02	35.564	83.480	1800	NC	2	regional
GSMNP Deep Creek	GS04	35.608	83.442	1600	NC	4	regional
GSMNP Jay Bird Branch	GS05	35.680	83.597	1248	TN	3	regional
GSMNP LeConte Creek	GS06	35.687	83.503	570	TN	4	regional
GSMNP Raven Fork	GS07	35.610	83.254	1800	NC	3	regional
GSMNP Enloe Creek	GS08	35.614	83.270	1500	NC	3	regional
Laurel Branch Downstream	LB01	35.339	84.083	900	TN	4	regional
Lewis Fork	LEWF	36.671	81.525	1103	VA	0	special
Sulphur Spring Creek	M037	37.577	79.438	427	VA	3	regional
Big Hellcat Creek	M038	37.611	79.451	317	VA	0	special
Little Hellgate Creek	M039	37.603	79.465	317	VA	0	special
North Fork of Dry Run	NFD	38.623	78.355	488	VA	0	special
North Fork of Dry Run	NFDR	38.623	78.355	488	VA	4	regional
Condon Run	OC02	38.942	79.670	923	WV	9	regional

Table G-1. Continued.							
Stream Name	Site ID	Latitude	Longitude	Elev (m)	State	Bin No.	Site Type
Yellow Creek	OC05	38.953	79.664	911	WV	0	special
Unnamed	OC08	38.980	79.639	871	WV	0	special
Devils Gulch	OC09	38.983	79.643	853	WV	9	regional
Possession Camp Run	OC31	39.000	79.645	798	WV	0	special
Moores Run	OC32	39.000	79.646	798	WV	0	special
Coal Run	OC35	39.033	79.620	688	WV	0	special
Otter Creek (upper)	OC79	38.938	79.660	950	WV	10	regional
Paine Run	PAIN	38.201	78.769	424	VA	0	special
Un-named Trib between 8 and 9	SP10	34.298	87.429	186	AL	0	special
Un-named Trib above 38	SP39	34.369	87.438	250	AL	11	regional
Quillan Creek	SP41	34.317	87.481	183	AL	0	special
Staunton River	STAN	38.457	78.399	308	VA	0	special
NONAME TRIB STONY CR.	VA524S	37.423	80.630	914	VA	6	regional
BEARPEN BRANCH	VA526S	37.201	82.486	463	VA	12	regional
RAGGED RUN	VA531S	38.537	78.306	505	VA	0	special
NONAME TRIB GAP CR	VA548S	38.699	78.596	445	VA	7	regional
LITTLE MILL CR	VA555S	38.080	79.499	694	VA	7	regional
LITTLE WALKER CR	VA821S	37.148	80.823	591	VA	8	regional
Lewis Fork	VT02	36.671	81.525	1103	VA	3	regional
Raccoon Branch	VT05	36.739	81.449	835	VA	4	regional
Cove Branch	VT07	37.072	81.433	930	VA	6	regional
Roaring Fork-Upper	VT08	37.064	81.418	930	VA	7	regional
Roaring Fork-Lower	VT09	37.055	81.458	664	VA	6	regional
Laurel Run	VT10	38.176	79.679	725	VA	7	regional
Mare Run	VT11	38.013	79.786	619	VA	7	regional
Panther Run	VT12	38.007	79.775	619	VA	8	regional
Porters Creek	VT15	37.979	79.787	604	VA	7	regional
Bearwallow Run	VT18	38.547	79.655	957	VA	8	regional
Lost Run	VT19	38.549	79.644	957	VA	8	regional
Hipes Branch	VT20	37.679	79.941	335	VA	8	regional
Shawvers Run	VT24	37.600	80.175	567	VA	7	regional
Cove Branch	VT25	37.584	80.161	561	VA	6	regional
Pine Swamp Branch	VT26	37.430	80.613	725	VA	5	regional
Nf Stony Creek	VT28	37.460	80.546	835	VA	6	regional
War Spur Branch	VT29	37.395	80.493	707	VA	6	regional
Nobusiness Creek	VT31	37.255	80.875	735	VA	5	regional
Laurel Creek	VT32	37.378	80.603	942	VA	6	regional
Laurel Run	VT34	37.916	79.472	387	VA	7	regional
Paine Run	VT35	38.201	78.769	424	VA	6	regional
Meadow Run	VT36	38.170	78.785	451	VA	1	regional
North River	VT37	38.421	79.266	811	VA	7	regional
Ramseys Draft	VT38	38.346	79.332	707	VA	8	regional
Kennedy Creek	VT39	37.946	79.034	561	VA	1	regional
St Marys R-Lower	VT41	37.928	79.092	530	VA	0	special
Little Cove Creek	VT46	37.738	79.211	506	VA	4	regional

Table G-1. Continued.							
Stream Name	Site ID	Latitude	Longitude	Elev (m)	State	Bin No.	Site Type
Big Mack Creek	VT48	36.946	80.635	658	VA	4	regional
Little Stony Creek	VT49	38.958	78.627	466	VA	6	regional
Laurel Run	VT50	38.918	78.729	524	VA	5	regional
Two Mile Run	VT53	38.319	78.655	372	VA	2	regional
German River-Upper	VT54	38.674	79.078	762	VA	8	regional
Beech Lick Run	VT55	38.703	79.023	646	VA	8	regional
Wolf Run	VT56	38.438	79.169	594	VA	6	regional
Black Run-Lower	VT57	38.512	79.110	524	VA	7	regional
Brokenback Run	VT58	38.570	78.330	329	VA	0	special
Staunton River	VT59	38.457	78.399	308	VA	4	regional
Hazel Run	VT62	38.624	78.293	329	VA	0	special
Rose River	VT66	38.522	78.402	341	VA	0	special
St Marys R-Upper	VT68	37.935	79.060	725	VA	1	regional
Bear Branch (Smr)	VT70	37.922	79.078	677	VA	2	regional
Hogback Br (Smr)	VT72	37.945	79.096	689	VA	5	regional
Sugartree Br (Smr)	VT73	37.912	79.111	628	VA	3	regional
St Marys R-Middle	VT74	37.932	79.083	579	VA	2	regional
White Oak Canyon R	VT75	38.567	78.365	354	VA	0	special
Belfast Creek	VT76	37.578	79.476	317	VA	2	regional
Matts Creek	VT77	37.588	79.433	256	VA	0	special
Little Tumbling Creek	VT78	36.957	81.738	799	VA	5	regional
White Oak Run	WOR	38.234	78.742	451	VA	0	special
White Oak Run	WOR1	38.234	78.742	451	VA	7	regional
NONAME TRIB STONY	WV523S	39.152	79.323	1170	WV	9	regional
OTTER CR	WV531S	39.011	79.646	847	WV	10	regional
GAULEY	WV547S	38.399	80.493	650	WV	12	regional
NONAME TRIB SOUTH FORK CHERRY R.	WV548S	38.214	80.479	768	WV	9	regional
NNT LAUREL RUN	WV769S	38.879	79.956	719	WV	11	regional
MOSS RUN	WV770S	38.715	79.961	621	WV	12	regional
LEFT FORK CLOVER RUN	WV771S	39.163	79.713	469	WV	12	regional
NNT GLADE CR	WV785S	37.714	81.047	847	WV	9	regional
WHITE OAK FORK	WV788S	38.357	80.383	857	WV	10	regional
RED CR	WV796S	39.039	79.337	1127	WV	11	regional

Table G-2. The percentage changes in total deposition of S, reduced N, oxidized N, and base cations (relative to the Reference Year, 1995), for each SAMI site for the OTW strategy. The table is arranged alphabetically in ascending order by SAMI ID. The number of sites is 164.														
	Year 2010							Year 2040						
	Tot S	Ox N	Red N	Ca	Mg	Na	K	Tot S	Ox N	Red N	Ca	Mg	Na	K
<b>Average</b>	-27.8	-24.7	13.5	0.1	3.8	0.6	0.9	-54.6	-22.2	28.9	0.1	10.0	2.3	2.2
<b>Std. Dev.</b>	13.3	8.9	5.6	0.1	0.9	1.0	0.9	11.3	9.4	12.8	0.2	2.0	1.2	1.2
<b>Maximum</b>	-2.4	-8.1	27.6	0.3	8.4	2.7	6.6	-21.7	-5.1	64.8	0.5	18.9	5.0	7.9
<b>Minimum</b>	-62.7	-43.6	3.1	-0.1	1.7	-0.9	0.0	-76.5	-44.3	6.5	-0.4	5.4	0.2	0.1
Site ID	Year 2010							Year 2040						
	Tot S	Ox N	Red N	Ca	Mg	Na	K	Tot S	Ox N	Red N	Ca	Mg	Na	K
2A068015U	-24.9	-15.3	6.3	0.1	4.7	1.4	1.3	-55.2	-14.2	14.1	-0.2	11.7	2.9	2.9
2A07701	-10.0	-11.8	10.9	0.1	4.3	2.6	1.5	-38.5	-9.4	21.1	-0.2	11.0	4.5	3.0
2A07805	-16.8	-15.6	8.8	0.1	4.6	2.6	1.2	-46.0	-13.7	14.8	-0.1	11.1	3.6	2.7
2A07806	-14.0	-16.1	12.9	0.0	4.4	2.2	1.2	-46.1	-13.3	22.6	-0.1	11.4	4.1	2.7
2A07810L	-11.8	-12.5	9.2	0.1	8.4	2.5	1.3	-39.8	-10.1	16.2	-0.1	14.6	3.6	2.7
2A07810U	-11.5	-12.2	8.1	0.1	5.4	2.0	1.2	-38.8	-9.2	14.9	-0.1	12.4	2.7	2.5
2A07811	-15.0	-12.9	10.0	0.1	4.8	2.2	1.2	-42.0	-10.7	18.4	-0.1	11.4	3.0	2.5
2A07812	-11.6	-12.9	11.0	0.1	4.5	2.3	1.2	-40.5	-9.7	20.6	0.0	11.4	3.5	2.5
2A07816	-14.2	-10.0	6.9	0.1	5.9	2.0	1.3	-41.7	-7.9	12.2	-0.1	12.4	3.5	2.6
2A07817	-8.3	-11.8	9.3	0.0	5.4	2.0	1.2	-38.8	-7.5	17.3	0.0	12.7	3.5	2.6
2A07821	-6.1	-16.6	9.7	-0.1	6.1	1.8	2.5	-43.7	-14.8	23.0	-0.3	18.9	4.4	5.7
2A07823	-8.6	-11.8	14.0	0.1	4.3	2.5	1.4	-39.2	-8.9	27.0	0.0	11.4	4.1	2.8
2A07828	-5.0	-11.8	10.1	0.1	3.8	2.7	1.4	-33.7	-9.1	19.4	-0.2	10.5	4.6	2.9
2A07829	-4.1	-11.2	7.2	0.0	3.8	2.0	2.2	-34.4	-7.3	12.5	-0.3	11.3	4.2	3.7
2A07834	-2.4	-11.7	11.4	0.0	3.7	2.4	1.2	-31.2	-8.6	20.3	-0.2	10.8	4.3	2.6
2A07835	-3.8	-12.0	11.8	-0.1	4.2	1.3	2.9	-36.8	-9.1	24.8	-0.4	14.9	4.5	5.8
2A07882	-8.8	-8.5	7.8	0.0	4.1	2.6	1.6	-36.4	-5.1	14.1	-0.2	11.5	4.5	3.2
2A08802	-7.5	-15.1	18.0	0.1	4.2	2.1	0.9	-39.4	-15.0	33.2	-0.3	11.6	4.4	2.6
2A08804	-7.8	-14.4	16.7	0.1	3.9	2.1	0.7	-39.6	-15.3	33.7	-0.3	11.7	4.7	2.5
2A08805	-4.0	-10.9	14.6	0.1	3.7	1.9	1.2	-34.9	-11.2	26.3	-0.2	10.6	4.4	3.0
2A08810	-2.5	-15.1	19.2	0.2	4.1	2.1	0.8	-35.9	-14.1	35.2	-0.1	11.8	4.4	2.7
2A08901	-3.1	-13.1	15.5	0.1	4.0	2.4	0.6	-33.2	-10.5	30.0	-0.1	11.6	5.0	2.1
2B041020L	-44.3	-38.4	25.8	0.2	2.6	0.9	0.6	-67.6	-38.1	64.8	0.4	8.3	2.2	2.0
2B041049U	-51.8	-38.6	27.6	0.3	3.4	1.0	0.8	-71.6	-38.3	63.6	0.5	10.1	2.8	2.4
2B047032	-39.1	-37.3	18.6	0.0	3.7	-0.3	0.6	-64.6	-36.0	45.7	0.2	8.9	1.5	1.5
2B047044U	-36.5	-33.8	14.7	0.0	3.6	-0.2	0.6	-63.2	-30.0	34.1	0.2	8.9	1.7	1.6
2B047076L	-29.3	-24.3	16.9	0.0	3.9	-0.5	0.9	-56.7	-19.4	37.6	0.0	11.8	2.6	3.6
2B047076U	-29.3	-24.3	17.0	0.0	3.9	-0.5	0.9	-56.7	-19.4	37.7	0.0	11.9	2.6	3.7
2B058015U	-24.6	-25.0	19.0	0.1	4.3	-0.7	0.9	-56.2	-18.5	38.2	0.2	11.6	1.1	2.6
2C041033U	-42.8	-37.5	12.1	0.0	3.7	1.5	0.7	-68.2	-38.5	22.5	0.0	9.4	4.1	2.0
2C041039	-44.5	-37.3	10.7	-0.1	3.6	1.2	0.7	-68.2	-37.8	21.4	0.0	9.4	3.8	1.8
2C041040	-40.9	-34.5	9.0	-0.1	3.4	1.0	0.6	-64.6	-34.6	17.1	-0.1	8.7	3.2	1.6
2C041043U	-62.7	-43.6	16.3	0.3	3.7	0.8	0.7	-74.3	-44.3	40.8	0.4	9.3	2.7	1.8
2C041045	-43.1	-35.4	8.7	0.0	3.5	0.9	0.6	-66.4	-35.4	18.0	0.0	8.8	3.1	1.7
2C041051	-40.6	-33.1	6.6	-0.1	3.1	0.4	0.5	-63.3	-32.5	15.0	0.0	8.2	2.3	1.5
2C046013L	-34.1	-32.8	3.2	-0.1	4.0	-0.1	0.7	-59.1	-30.9	6.9	-0.1	9.4	2.4	1.8
2C046033	-31.5	-30.8	5.1	-0.1	4.2	0.0	0.9	-57.9	-29.2	12.4	0.0	9.9	2.2	2.0
2C046034	-32.5	-32.5	7.6	0.0	4.2	-0.1	0.8	-58.8	-29.8	18.7	0.0	10.0	1.8	1.9
2C046043L	-32.4	-31.6	7.8	-0.1	4.3	0.0	0.9	-58.7	-29.5	18.6	0.0	9.9	1.9	2.0

Table G-2. Continued.														
Site ID	Year 2010							Year 2040						
	Tot S	Ox N	Red N	Ca	Mg	Na	K	Tot S	Ox N	Red N	Ca	Mg	Na	K
2C046043U	-32.4	-31.6	7.8	-0.1	4.3	0.0	0.9	-58.8	-29.5	18.6	0.0	9.9	1.9	2.0
2C046050	-26.7	-29.5	6.3	0.0	5.5	0.6	1.3	-53.1	-28.3	6.5	0.0	11.5	3.3	2.7
2C046053L	-32.2	-31.1	7.3	0.0	4.5	0.2	1.0	-58.4	-29.3	17.8	0.1	10.2	2.4	2.2
2C046062L	-31.0	-30.8	9.9	0.0	4.5	0.4	1.1	-58.4	-27.7	24.8	0.1	10.2	2.4	2.4
2C047007	-37.6	-32.1	3.1	-0.1	3.3	-0.1	0.6	-61.5	-31.5	11.7	0.0	8.5	1.7	1.5
2C047010L	-37.0	-33.3	7.0	-0.1	3.2	-0.3	0.6	-61.2	-31.8	20.6	0.0	8.5	1.4	1.5
2C047010U	-37.0	-33.3	7.0	-0.1	3.2	-0.3	0.6	-61.2	-31.8	20.7	0.0	8.5	1.4	1.5
2C057004	-26.4	-29.9	6.4	0.0	5.7	1.1	1.5	-55.7	-30.5	11.9	0.0	12.0	3.4	3.1
2C066026L	-30.7	-19.9	21.6	0.0	4.3	2.6	2.0	-50.2	-21.2	43.2	-0.3	10.2	4.9	3.6
2C066027L	-32.5	-19.8	16.9	0.0	4.0	2.3	1.8	-51.1	-22.1	36.6	-0.3	9.7	4.5	3.3
2C066027U	-32.5	-19.8	16.9	0.0	4.0	2.3	1.8	-51.1	-22.1	36.6	-0.3	9.7	4.5	3.4
2C066039L	-30.7	-19.9	21.6	0.0	4.4	2.7	2.0	-50.2	-21.2	43.2	-0.3	10.2	5.0	3.6
2C077022U	-26.1	-17.0	18.9	0.1	3.5	2.6	2.3	-44.5	-18.6	41.0	-0.2	9.3	4.7	4.0
BJ 35	-19.1	-14.9	6.1	0.0	4.3	1.1	0.8	-50.7	-12.4	15.9	0.1	11.2	2.2	1.7
BJ 72	-3.2	-11.6	9.2	0.0	3.3	1.2	1.1	-33.9	-6.9	16.5	-0.1	10.1	2.3	2.0
BJ 76	-8.4	-12.9	12.7	0.1	4.1	1.5	0.9	-38.7	-9.4	24.4	-0.2	11.0	2.3	1.7
BJ 77	-7.2	-9.9	8.5	0.1	3.4	1.5	1.0	-36.3	-7.2	15.1	0.1	10.0	2.6	2.0
BLFC	-21.7	-24.9	17.1	0.2	3.7	-0.4	0.8	-51.8	-19.8	34.0	0.3	10.4	1.1	2.2
CO01	-7.7	-14.1	15.7	0.1	3.8	1.6	0.7	-38.8	-15.0	30.5	-0.4	11.2	4.0	2.4
CO05	-8.7	-14.5	16.9	0.1	4.1	1.6	0.7	-40.3	-14.9	32.7	-0.3	11.7	3.6	2.4
CO06	-7.7	-14.0	15.7	0.1	3.8	1.6	0.7	-38.8	-15.0	30.4	-0.4	11.3	4.0	2.4
CO10	-8.6	-14.5	16.9	0.1	4.1	1.6	0.7	-40.2	-14.9	32.6	-0.3	11.7	3.6	2.4
DR	-29.3	-24.3	16.9	0.0	3.7	-0.4	0.8	-56.7	-19.3	37.6	0.1	11.3	2.4	3.3
DR01	-29.3	-24.3	16.9	0.0	3.6	-0.4	0.7	-56.7	-19.3	37.6	0.1	10.7	2.1	2.9
DS04	-48.6	-39.1	18.0	0.3	2.5	0.0	0.1	-70.6	-38.8	46.3	0.5	6.0	0.2	0.1
DS06	-48.6	-39.1	18.0	0.3	2.5	0.0	0.1	-70.6	-38.8	46.3	0.5	6.0	0.2	0.1
DS09	-47.7	-37.8	13.8	0.3	2.3	0.0	0.1	-68.3	-38.4	33.7	0.5	5.8	0.2	0.1
DS19	-47.7	-37.8	13.8	0.3	2.3	0.0	0.1	-68.3	-38.4	33.7	0.5	5.8	0.2	0.1
DS50	-47.7	-37.8	13.8	0.3	2.3	0.0	0.1	-68.3	-38.4	33.7	0.5	5.8	0.2	0.1
FN1	-42.0	-34.5	6.7	0.0	2.5	0.3	0.3	-65.5	-33.8	14.6	0.0	6.7	1.2	0.7
FN2	-42.0	-34.5	6.7	0.0	2.5	0.3	0.3	-65.5	-33.8	14.6	0.0	6.7	1.2	0.7
FN3	-42.0	-34.4	6.7	0.0	2.5	0.3	0.3	-65.5	-33.8	14.6	0.0	6.7	1.2	0.7
GS01	-8.3	-11.8	9.3	0.0	5.1	1.5	0.9	-38.8	-7.5	17.3	0.0	12.2	2.5	1.9
GS02	-8.3	-11.8	9.3	0.0	5.1	1.5	0.9	-38.8	-7.5	17.3	0.0	12.2	2.5	1.9
GS04	-9.4	-11.2	7.9	0.1	4.7	1.5	0.8	-35.8	-8.3	14.7	0.0	11.2	2.2	1.8
GS05	-17.8	-14.4	12.1	0.0	6.6	1.6	1.1	-44.5	-14.0	22.8	-0.2	13.9	2.1	2.4
GS06	-17.2	-13.2	11.3	0.1	5.6	1.2	0.9	-43.9	-11.7	21.2	-0.1	12.1	1.7	2.0
GS07	-8.2	-11.1	8.9	0.1	4.3	1.6	0.9	-35.3	-7.6	16.5	0.0	10.9	2.3	2.0
GS08	-8.2	-11.1	8.9	0.1	4.3	1.6	0.9	-35.3	-7.6	16.5	0.0	10.8	2.3	2.0
LB01	-10.0	-11.8	10.9	0.1	4.2	2.5	1.5	-38.5	-9.4	21.1	-0.2	11.0	4.5	3.0
LEWF	-22.8	-16.8	8.7	0.2	4.9	1.0	0.9	-55.0	-15.4	20.6	0.2	12.0	2.1	2.1
M037	-23.3	-24.1	20.2	0.2	3.7	-0.4	0.8	-55.0	-16.0	33.7	0.4	10.5	1.0	2.1
M038	-24.9	-24.8	19.1	0.2	3.8	-0.5	0.7	-55.6	-16.7	36.1	0.4	10.4	0.9	1.9
M039	-21.8	-24.9	17.1	0.2	3.7	-0.5	0.8	-51.9	-19.8	34.0	0.3	10.4	1.1	2.2
NFD	-41.0	-33.2	21.8	0.2	3.7	-0.1	0.8	-64.8	-30.3	52.3	0.4	11.5	2.5	2.7
NFDR	-41.0	-33.2	21.8	0.2	3.6	-0.1	0.7	-64.8	-30.3	52.3	0.5	11.0	2.2	2.4
OC02	-41.5	-31.5	5.5	-0.1	1.7	0.0	0.0	-64.5	-30.2	13.2	0.1	5.4	0.2	0.1
OC05	-41.5	-31.5	5.5	-0.1	1.7	0.0	0.0	-64.5	-30.2	13.2	0.1	5.4	0.2	0.1

Table G-2. Continued.														
Site ID	Year 2010							Year 2040						
	Tot S	Ox N	Red N	Ca	Mg	Na	K	Tot S	Ox N	Red N	Ca	Mg	Na	K
OC08	-41.5	-31.5	5.5	-0.1	1.7	0.0	0.0	-64.5	-30.2	13.2	0.1	5.4	0.2	0.1
OC09	-41.5	-31.5	5.5	-0.1	1.7	0.0	0.0	-64.5	-30.2	13.2	0.1	5.4	0.2	0.1
OC31	-41.5	-31.5	5.5	-0.1	1.7	0.0	0.0	-64.5	-30.2	13.2	0.1	5.4	0.2	0.1
OC32	-41.5	-31.5	5.5	-0.1	1.7	0.0	0.0	-64.5	-30.2	13.2	0.1	5.4	0.2	0.1
OC35	-40.6	-33.1	6.6	-0.1	1.8	0.0	0.0	-63.3	-32.5	15.0	0.1	5.4	0.2	0.1
OC79	-41.5	-31.5	5.5	-0.1	1.7	0.0	0.0	-64.5	-30.2	13.2	0.1	5.4	0.2	0.1
PAIN	-28.3	-24.3	17.4	0.0	3.9	-0.7	0.8	-56.7	-18.4	37.4	0.2	11.7	1.9	3.3
SP10	-13.2	-8.2	13.2	0.1	2.6	1.3	6.6	-21.7	-9.2	28.4	-0.2	6.8	3.9	7.9
SP39	-13.2	-8.2	13.2	0.1	2.6	1.3	6.6	-21.7	-9.2	28.4	-0.2	6.8	3.8	7.9
SP41	-13.2	-8.1	13.2	0.1	2.6	1.3	6.6	-21.7	-9.2	28.4	-0.2	6.8	3.8	7.9
STAN	-36.8	-32.0	18.1	0.2	3.7	-0.2	0.8	-61.8	-27.4	41.0	0.4	11.5	2.4	2.9
VA524S	-21.0	-22.6	15.0	0.2	4.3	0.7	1.2	-55.9	-20.0	33.8	0.3	11.2	2.7	2.8
VA526S	-33.2	-20.2	16.2	0.1	5.3	2.4	1.3	-58.4	-21.1	27.9	0.1	11.1	4.5	2.6
VA531S	-41.0	-33.2	21.8	0.2	3.9	-0.2	0.8	-64.8	-30.3	52.3	0.4	12.0	2.7	3.0
VA548S	-40.1	-27.0	19.2	0.1	3.5	0.3	1.0	-62.2	-24.7	39.4	0.2	11.0	3.6	3.6
VA555S	-28.3	-26.0	13.3	0.0	3.7	-0.8	0.7	-56.9	-18.9	26.9	0.1	9.7	1.0	2.0
VA821S	-18.4	-24.3	12.7	0.1	4.3	0.8	1.1	-56.2	-21.1	30.7	0.3	11.7	2.5	2.7
VT02	-22.8	-16.8	8.7	0.2	5.0	1.1	1.0	-55.0	-15.4	20.6	0.2	12.1	2.2	2.2
VT05	-24.7	-17.7	6.2	0.2	4.6	0.9	1.0	-56.0	-16.5	16.1	0.0	11.1	2.3	2.3
VT07	-25.9	-16.4	6.8	0.3	4.4	1.0	0.9	-57.3	-16.5	14.2	0.1	10.4	2.6	2.1
VT08	-25.9	-16.4	6.8	0.3	4.4	1.0	0.9	-57.3	-16.5	14.2	0.1	10.4	2.6	2.1
VT09	-25.8	-16.4	6.8	0.3	4.4	1.0	0.9	-57.3	-16.5	14.1	0.1	10.4	2.6	2.1
VT10	-29.7	-28.5	13.6	0.1	3.3	-0.2	0.5	-58.4	-22.7	28.1	0.2	8.4	1.3	1.4
VT11	-24.9	-23.3	15.8	0.0	3.8	-0.2	0.6	-53.2	-18.7	29.0	0.0	9.3	1.1	1.7
VT12	-24.9	-23.3	15.8	0.0	3.8	-0.2	0.6	-53.2	-18.7	29.0	0.0	9.3	1.1	1.7
VT15	-24.9	-23.3	15.8	0.0	3.8	-0.2	0.6	-53.2	-18.6	28.9	0.0	9.3	1.1	1.7
VT18	-36.4	-33.7	14.6	0.0	3.3	-0.1	0.4	-63.1	-29.9	34.0	0.2	8.2	1.3	1.2
VT19	-36.5	-33.8	14.7	0.0	3.3	-0.1	0.4	-63.2	-30.0	34.0	0.2	8.2	1.3	1.2
VT20	-24.1	-25.3	14.9	0.1	4.1	-0.4	0.7	-53.1	-19.3	31.9	0.3	10.4	1.3	1.8
VT24	-22.8	-28.7	18.7	0.3	4.2	0.1	0.8	-56.5	-25.4	45.8	0.4	10.3	1.9	2.0
VT25	-22.8	-28.7	18.7	0.3	4.2	0.1	0.8	-56.5	-25.4	45.8	0.4	10.3	2.0	2.0
VT26	-21.1	-22.6	15.0	0.2	4.0	0.6	0.9	-55.9	-20.1	33.9	0.4	10.5	2.0	2.1
VT28	-21.9	-23.3	17.6	0.1	3.7	0.4	0.9	-51.7	-20.7	40.6	0.3	9.6	2.2	2.0
VT29	-21.9	-23.5	14.2	0.2	3.9	0.5	0.8	-56.6	-20.9	33.2	0.4	10.6	2.3	2.1
VT31	-22.6	-25.0	13.7	0.2	4.2	0.9	0.9	-57.9	-22.9	32.3	0.4	10.6	2.0	1.9
VT32	-21.0	-22.6	15.0	0.2	4.0	0.6	0.9	-55.9	-20.0	33.7	0.4	10.4	2.0	2.1
VT34	-26.3	-25.7	13.4	0.1	3.7	-0.9	0.6	-54.9	-18.2	30.7	0.3	9.7	0.3	1.8
VT35	-28.3	-24.3	17.4	0.0	3.7	-0.6	0.7	-56.7	-18.4	37.4	0.2	11.1	1.6	2.9
VT36	-28.3	-24.3	17.4	0.0	3.7	-0.6	0.7	-56.6	-18.4	37.4	0.2	11.1	1.7	2.9
VT37	-31.7	-29.9	14.1	0.0	3.1	-0.2	0.5	-59.3	-25.5	29.7	0.1	8.4	1.4	1.4
VT38	-29.7	-28.5	15.3	0.0	3.2	-0.2	0.5	-58.0	-22.8	31.5	0.2	8.7	1.4	1.5
VT39	-29.4	-23.6	18.2	0.1	3.7	-0.6	0.7	-58.2	-16.9	34.9	0.3	10.3	1.1	2.2
VT41	-29.4	-23.6	18.1	0.1	3.7	-0.6	0.7	-58.2	-16.9	34.8	0.3	10.2	1.1	2.1
VT46	-24.6	-25.0	19.1	0.1	4.1	-0.6	0.7	-56.2	-18.5	38.2	0.3	10.8	0.9	2.2
VT48	-19.8	-21.0	13.3	0.1	4.0	0.4	0.9	-54.2	-17.4	30.3	0.2	11.3	1.8	2.4
VT49	-48.7	-32.6	21.9	0.3	3.2	0.5	0.6	-70.0	-29.8	43.6	0.5	9.1	2.6	2.0
VT50	-50.2	-34.9	27.2	0.3	3.3	0.5	0.6	-70.9	-34.4	61.3	0.5	9.0	2.5	1.8
VT53	-32.4	-27.2	19.3	0.1	3.6	-0.2	0.8	-58.5	-22.3	43.0	0.3	11.1	2.4	3.0

Table G-2. Continued.														
Site ID	Year 2010							Year 2040						
	Tot S	Ox N	Red N	Ca	Mg	Na	K	Tot S	Ox N	Red N	Ca	Mg	Na	K
VT54	-44.4	-33.7	24.5	0.2	3.1	0.0	0.6	-67.9	-32.6	55.8	0.4	8.2	1.8	1.6
VT55	-44.4	-33.7	24.5	0.2	3.1	0.0	0.6	-68.0	-32.6	55.8	0.4	8.2	1.8	1.6
VT56	-30.9	-30.9	17.5	0.0	3.2	-0.3	0.5	-59.0	-25.6	37.4	0.2	8.7	1.4	1.6
VT57	-34.1	-31.0	20.6	0.1	3.1	-0.1	0.5	-60.6	-25.8	42.0	0.2	8.7	1.6	1.7
VT58	-41.0	-33.2	21.8	0.2	3.6	-0.1	0.7	-64.8	-30.3	52.3	0.5	11.0	2.2	2.4
VT59	-36.8	-32.0	18.1	0.2	3.6	-0.2	0.7	-61.8	-27.4	41.0	0.5	11.0	2.1	2.5
VT62	-43.2	-30.8	22.8	0.2	3.3	0.1	0.7	-66.0	-28.7	54.6	0.4	10.3	2.2	2.5
VT66	-41.0	-33.2	21.8	0.2	3.6	-0.1	0.7	-64.8	-30.3	52.3	0.5	11.0	2.2	2.4
VT68	-29.4	-23.6	18.1	0.1	3.7	-0.6	0.7	-58.2	-16.9	34.8	0.3	10.3	1.1	2.2
VT70	-29.4	-23.6	18.1	0.1	3.7	-0.6	0.7	-58.2	-16.9	34.8	0.3	10.2	1.1	2.2
VT72	-29.4	-23.6	18.1	0.1	3.7	-0.6	0.7	-58.2	-16.9	34.8	0.3	10.2	1.1	2.1
VT73	-29.4	-23.6	18.1	0.1	3.7	-0.6	0.7	-58.1	-16.9	34.8	0.3	10.2	1.1	2.1
VT74	-29.4	-23.6	18.1	0.1	3.7	-0.6	0.7	-58.2	-16.9	34.8	0.3	10.2	1.1	2.1
VT75	-41.0	-33.2	21.8	0.2	3.6	-0.1	0.7	-64.8	-30.3	52.3	0.5	11.0	2.2	2.4
VT76	-21.7	-24.9	17.1	0.2	3.8	-0.5	0.9	-51.8	-19.8	33.9	0.3	10.8	1.3	2.5
VT77	-23.3	-24.1	20.2	0.2	3.8	-0.5	0.9	-55.0	-16.0	33.7	0.3	10.9	1.2	2.4
VT78	-23.9	-18.5	9.9	0.2	4.6	1.1	1.0	-58.7	-18.7	19.3	0.0	11.1	2.9	2.4
WOR	-29.3	-24.3	16.9	0.0	3.7	-0.4	0.8	-56.7	-19.3	37.6	0.1	11.3	2.4	3.3
WOR1	-29.3	-24.3	16.9	0.0	3.6	-0.4	0.7	-56.7	-19.3	37.6	0.1	10.7	2.1	3.0
WV523S	-58.6	-42.0	18.7	0.2	3.5	0.4	0.6	-76.5	-42.9	45.2	0.3	8.9	2.5	1.6
WV531S	-41.5	-31.5	5.5	-0.1	3.1	0.3	0.5	-64.5	-30.2	13.2	0.0	8.2	2.2	1.5
WV547S	-31.4	-30.7	5.2	-0.1	4.2	0.0	0.9	-57.8	-29.1	12.4	0.0	9.9	2.2	2.0
WV548S	-32.3	-31.4	7.8	-0.1	4.2	0.0	0.9	-58.6	-29.4	18.6	0.0	9.9	2.0	2.0
WV769S	-38.8	-33.8	4.5	-0.1	3.4	0.1	0.6	-62.6	-32.9	12.5	0.0	8.7	2.1	1.5
WV770S	-37.6	-32.1	3.2	-0.1	3.3	-0.1	0.6	-61.4	-31.4	11.7	0.0	8.5	1.7	1.5
WV771S	-43.1	-35.4	8.7	0.0	3.5	0.9	0.6	-66.4	-35.4	18.0	0.0	8.9	3.1	1.7
WV785S	-27.7	-26.0	11.8	0.2	4.9	1.2	1.5	-58.2	-23.1	27.8	0.3	11.1	3.1	2.7
WV788S	-31.6	-30.8	5.1	-0.1	4.2	0.0	0.9	-57.9	-29.2	12.4	0.0	10.0	2.2	2.0
WV796S	-53.2	-41.3	20.8	0.3	3.7	0.4	0.6	-74.1	-41.6	50.1	0.4	9.0	2.5	1.6

Table G-3. The percentage changes in total deposition of S, reduced N, oxidized N, and base cations (relative to the Reference Year, 1995), for each SAMI site for the BWC strategy. The table is arranged alphabetically in ascending order by SAMI ID. The number of sites is 164.

	Year 2010							Year 2040						
	Tot S	Ox N	Red N	Ca	Mg	Na	K	Tot S	Ox N	Red N	Ca	Mg	Na	K
<b>Average</b>	-44.1	-25.2	14.8	0.0	2.8	0.5	0.4	-64.0	-26.3	10.1	0.1	8.9	1.8	0.5
<b>Std. Dev.</b>	9.8	9.1	7.3	0.1	0.7	0.9	0.8	9.3	8.5	8.0	0.2	2.1	1.2	1.0
<b>Maximum</b>	-16.7	-8.3	30.8	0.2	8.0	2.5	5.9	-27.7	-9.7	38.0	0.6	19.1	4.6	4.9
<b>Minimum</b>	-68.0	-44.8	1.9	-0.3	1.6	-0.9	-1.1	-79.5	-45.2	-4.1	-0.3	5.0	-0.3	-3.0
	Year 2010							Year 2040						
Site ID	Tot S	Ox N	Red N	Ca	Mg	Na	K	Tot S	Ox N	Red N	Ca	Mg	Na	K
2A068015U	-39.3	-16.4	5.6	-0.1	3.1	0.8	0.6	-65.0	-19.5	-3.9	0.0	10.3	2.4	0.7
2A07701	-32.3	-12.6	11.0	-0.1	2.8	2.0	0.7	-51.2	-14.0	5.7	-0.3	10.1	4.2	0.4
2A07805	-36.4	-15.3	7.1	-0.1	3.3	2.3	0.7	-56.7	-17.7	-1.1	-0.1	10.5	3.5	1.0
2A07806	-36.2	-15.9	11.9	-0.1	2.9	1.9	0.6	-58.7	-17.5	3.8	-0.1	10.4	3.6	0.6
2A07810L	-31.3	-12.5	8.3	0.0	8.0	2.5	0.7	-50.1	-13.7	0.7	-0.2	19.1	4.6	0.8
2A07810U	-31.2	-11.9	7.5	-0.1	4.1	1.7	0.5	-50.4	-13.0	1.0	-0.1	12.4	2.5	0.5
2A07811	-33.2	-12.9	9.8	-0.1	3.6	2.1	0.6	-52.6	-14.4	2.3	-0.1	11.2	3.0	0.7
2A07812	-32.4	-12.5	11.4	-0.1	3.0	2.0	0.6	-52.5	-13.1	6.3	-0.1	10.5	3.3	0.6
2A07816	-33.1	-10.7	5.9	0.0	4.8	1.7	0.6	-52.3	-11.8	-1.5	-0.2	13.4	3.2	0.4
2A07817	-32.6	-10.7	8.8	-0.1	4.2	1.9	0.6	-52.1	-11.5	3.6	-0.1	13.0	3.1	0.6
2A07821	-26.0	-17.8	10.5	-0.2	2.9	1.3	1.1	-56.9	-23.6	6.8	-0.2	17.5	3.6	2.5
2A07823	-34.1	-12.1	15.0	0.0	2.8	2.0	0.6	-52.5	-12.6	12.0	-0.1	10.5	3.8	0.4
2A07828	-29.2	-11.9	9.8	0.0	2.5	2.2	0.5	-47.8	-13.7	5.3	-0.3	9.4	4.4	0.1
2A07829	-25.1	-10.7	6.1	-0.1	2.3	1.9	0.7	-48.4	-11.0	0.5	-0.2	10.0	3.4	-1.3
2A07834	-26.1	-11.4	10.8	-0.1	2.1	2.0	0.1	-45.7	-12.0	6.8	-0.2	9.4	3.8	-1.0
2A07835	-27.2	-13.4	13.3	-0.2	1.6	0.8	0.9	-54.0	-16.6	8.4	-0.3	13.5	3.8	-0.2
2A07882	-30.1	-8.3	7.0	-0.1	2.5	2.1	0.8	-49.6	-9.7	1.7	-0.2	10.5	4.3	0.9
2A08802	-33.2	-17.2	19.1	0.0	2.5	1.5	-0.5	-53.9	-20.6	13.9	-0.2	10.0	3.9	-2.0
2A08804	-35.7	-17.7	18.5	0.0	2.2	1.5	-1.1	-54.4	-23.1	12.7	-0.2	9.9	4.0	-3.0
2A08805	-31.7	-13.6	14.3	0.0	2.1	1.5	0.0	-51.3	-17.7	8.2	-0.2	9.2	4.0	-0.9
2A08810	-34.4	-16.9	20.0	0.1	2.3	1.6	-0.7	-53.1	-19.9	14.0	0.0	10.2	3.6	-2.1
2A08901	-29.1	-13.5	16.7	0.1	2.4	1.9	-1.0	-49.0	-14.6	10.4	-0.1	9.8	4.0	-2.8
2B041020L	-52.6	-38.6	29.2	0.0	2.1	1.2	0.2	-72.3	-40.0	38.0	0.3	7.1	1.7	0.7
2B041049U	-61.8	-40.0	30.8	0.0	2.7	0.9	0.2	-76.9	-40.6	30.9	0.4	8.5	2.1	0.5
2B047032	-53.5	-37.6	23.1	0.0	3.1	-0.2	0.3	-70.3	-36.6	26.8	0.1	7.8	1.0	0.6
2B047044U	-51.6	-33.5	17.7	0.0	3.0	-0.1	0.3	-69.5	-31.2	17.6	0.1	7.7	1.1	0.7
2B047076L	-48.6	-25.4	20.3	0.0	2.5	-0.8	0.1	-72.2	-28.1	9.8	0.1	10.5	1.9	1.4
2B047076U	-48.6	-25.4	20.3	0.0	2.5	-0.8	0.1	-72.2	-28.1	9.8	0.1	10.5	1.9	1.4
2B058015U	-46.2	-24.3	22.6	0.1	3.3	-0.4	0.1	-69.4	-24.5	17.1	0.2	9.6	0.5	0.3
2C041033U	-55.0	-39.1	9.8	-0.2	3.2	1.5	0.2	-71.5	-41.5	7.1	0.1	7.9	3.3	0.4
2C041039	-55.2	-38.9	8.7	-0.3	3.2	1.3	0.3	-71.6	-40.7	6.2	0.1	8.0	3.1	0.5
2C041040	-51.5	-35.8	6.8	-0.1	3.0	1.2	0.3	-68.0	-36.5	5.1	0.0	7.4	2.5	0.5
2C041043U	-68.0	-44.8	18.0	0.2	3.2	1.1	0.3	-76.5	-45.2	21.6	0.3	7.9	2.2	0.7
2C041045	-53.6	-36.6	6.8	-0.2	3.0	1.0	0.3	-69.9	-38.0	4.8	0.1	7.6	2.5	0.6
2C041051	-51.0	-33.7	5.1	-0.2	2.7	0.6	0.2	-66.8	-34.6	4.1	0.1	7.3	1.9	0.6
2C046013L	-46.3	-33.4	1.9	-0.3	3.4	0.0	0.4	-64.5	-33.2	-3.2	-0.1	8.5	1.9	0.8
2C046033	-44.3	-31.4	4.8	-0.3	3.6	-0.1	0.5	-63.3	-30.5	0.2	0.0	9.0	1.7	0.8
2C046034	-45.4	-32.9	8.4	-0.2	3.6	-0.1	0.4	-64.3	-30.8	5.2	0.1	8.9	1.2	0.6
2C046043L	-45.0	-32.0	8.9	-0.1	3.6	-0.1	0.4	-64.2	-30.9	5.1	0.0	8.8	1.4	0.6

Table G-3. Continued.														
Site ID	Year 2010							Year 2040						
	Tot S	Ox N	Red N	Ca	Mg	Na	K	Tot S	Ox N	Red N	Ca	Mg	Na	K
2C046043U	-45.0	-32.1	8.9	-0.1	3.6	-0.1	0.4	-64.2	-30.9	5.1	0.0	8.8	1.4	0.6
2C046050	-40.8	-30.2	3.8	-0.1	4.3	0.2	0.7	-59.2	-31.7	-3.7	-0.2	10.5	3.0	1.2
2C046053L	-44.6	-32.0	8.2	0.0	3.7	0.0	0.5	-64.0	-31.2	3.8	0.0	9.0	1.8	0.6
2C046062L	-44.9	-30.9	12.1	0.0	3.7	0.2	0.6	-65.3	-30.1	7.2	0.1	9.0	1.9	0.6
2C047007	-48.8	-32.9	2.8	-0.2	2.9	0.1	0.3	-65.7	-33.0	1.6	0.1	7.6	1.2	0.6
2C047010L	-49.6	-33.6	8.5	-0.3	2.8	-0.1	0.3	-66.2	-32.6	7.8	0.1	7.5	0.9	0.6
2C047010U	-49.6	-33.7	8.5	-0.3	2.8	-0.1	0.3	-66.2	-32.7	7.8	0.1	7.5	0.9	0.6
2C057004	-42.2	-31.5	5.4	0.0	4.2	0.4	0.8	-62.8	-34.1	-0.5	-0.1	11.0	3.0	1.2
2C066026L	-41.1	-20.6	23.2	-0.1	3.2	2.2	1.3	-61.0	-24.7	14.3	-0.2	9.0	4.3	1.5
2C066027L	-42.0	-20.5	18.6	-0.2	2.9	1.9	1.2	-59.7	-25.3	12.4	-0.3	8.6	3.9	1.4
2C066027U	-42.0	-20.5	18.6	-0.2	2.9	1.9	1.3	-59.7	-25.3	12.4	-0.3	8.6	4.0	1.4
2C066039L	-41.1	-20.6	23.2	-0.1	3.2	2.2	1.4	-61.0	-24.7	14.3	-0.2	9.1	4.4	1.6
2C077022U	-37.4	-19.3	22.3	0.0	2.3	2.3	1.6	-57.6	-23.7	17.3	-0.1	8.2	4.0	1.8
BJ 35	-35.7	-15.2	6.4	-0.2	2.7	0.8	0.4	-61.5	-17.6	2.1	0.1	10.1	1.8	0.5
BJ 72	-25.5	-10.4	8.4	-0.2	2.1	1.0	0.4	-48.2	-10.8	4.3	-0.1	9.0	2.0	-0.2
BJ 76	-32.5	-12.9	12.8	-0.2	2.7	1.3	0.4	-52.1	-14.2	9.9	-0.2	10.4	2.2	0.4
BJ 77	-29.7	-9.6	7.5	-0.1	2.1	1.2	0.5	-50.2	-11.7	1.9	0.0	9.2	2.5	0.6
BLFC	-43.0	-24.8	19.5	0.1	2.6	-0.4	0.3	-66.0	-26.3	12.3	0.2	8.9	0.7	0.5
CO01	-33.9	-17.2	16.8	-0.1	2.2	1.2	-0.8	-53.5	-22.3	11.0	-0.3	9.6	3.4	-2.4
CO05	-33.5	-17.2	18.5	0.0	2.4	1.2	-0.7	-54.3	-22.2	12.3	-0.2	10.1	3.3	-2.2
CO06	-33.9	-17.2	16.8	-0.1	2.2	1.2	-0.8	-53.4	-22.3	11.0	-0.3	9.6	3.4	-2.4
CO10	-33.4	-17.2	18.5	0.0	2.4	1.2	-0.7	-54.3	-22.2	12.3	-0.2	10.1	3.3	-2.2
DR	-48.6	-25.3	20.3	0.0	2.5	-0.8	0.1	-72.2	-28.1	9.8	0.1	10.1	1.7	1.3
DR01	-48.6	-25.3	20.3	0.0	2.4	-0.7	0.1	-72.2	-28.1	9.8	0.1	9.5	1.5	1.1
DS04	-59.8	-39.6	21.3	0.2	2.2	0.0	0.0	-74.4	-40.3	26.8	0.6	5.5	0.1	0.1
DS06	-59.8	-39.6	21.3	0.2	2.2	0.0	0.0	-74.4	-40.3	26.8	0.6	5.5	0.1	0.1
DS09	-57.4	-39.2	14.6	0.2	2.2	0.1	0.0	-71.7	-39.7	18.6	0.5	5.3	0.2	0.1
DS19	-57.4	-39.2	14.6	0.2	2.2	0.1	0.0	-71.7	-39.7	18.6	0.5	5.3	0.2	0.1
DS50	-57.4	-39.2	14.6	0.2	2.2	0.1	0.0	-71.7	-39.7	18.6	0.5	5.3	0.2	0.1
FN1	-52.9	-35.5	4.7	-0.3	2.2	0.3	0.1	-69.0	-36.3	3.1	0.1	6.0	1.0	0.3
FN2	-52.9	-35.5	4.7	-0.3	2.2	0.3	0.1	-69.0	-36.3	3.1	0.1	6.0	1.0	0.3
FN3	-52.9	-35.5	4.7	-0.3	2.2	0.3	0.1	-69.0	-36.2	3.1	0.1	6.0	1.0	0.3
GS01	-32.6	-10.7	8.8	-0.1	3.9	1.3	0.5	-52.1	-11.5	3.6	-0.1	12.4	2.2	0.4
GS02	-32.6	-10.7	8.8	-0.1	3.9	1.3	0.5	-52.1	-11.5	3.6	-0.1	12.4	2.2	0.4
GS04	-29.1	-11.1	7.1	-0.2	3.5	1.5	0.4	-47.6	-12.0	2.0	-0.2	11.1	2.1	0.4
GS05	-34.7	-15.5	12.0	-0.2	5.2	1.3	0.7	-53.5	-18.5	2.7	-0.3	14.7	2.0	1.1
GS06	-34.2	-14.0	11.2	-0.1	4.6	1.0	0.5	-53.5	-15.7	2.9	-0.2	12.8	1.6	0.6
GS07	-28.8	-10.7	8.2	-0.1	3.0	1.5	0.5	-47.7	-11.8	3.8	-0.1	10.3	2.3	0.6
GS08	-28.8	-10.7	8.2	-0.1	3.0	1.5	0.5	-47.7	-11.8	3.8	-0.1	10.3	2.3	0.6
LB01	-32.3	-12.6	11.0	-0.1	2.8	2.0	0.6	-51.2	-14.0	5.7	-0.3	10.1	4.2	0.4
LEWF	-38.5	-17.8	8.9	0.0	3.2	0.6	0.4	-65.2	-20.1	1.4	0.3	10.8	1.7	0.6
M037	-45.3	-22.2	21.6	0.1	2.6	-0.3	0.2	-68.1	-22.8	11.9	0.3	9.0	0.7	0.4
M038	-46.1	-22.9	22.4	0.1	2.8	-0.4	0.1	-68.5	-22.3	15.1	0.3	8.9	0.5	0.2
M039	-43.0	-24.8	19.6	0.1	2.6	-0.4	0.3	-66.1	-26.3	12.3	0.2	8.9	0.7	0.5
NFD	-55.1	-34.3	27.2	0.1	2.7	-0.3	0.0	-73.3	-34.1	20.6	0.3	9.1	1.2	0.3
NFDR	-55.1	-34.3	27.2	0.1	2.6	-0.2	0.0	-73.3	-34.1	20.6	0.3	8.7	1.1	0.3
OC02	-52.2	-32.3	4.1	-0.3	1.6	0.0	0.0	-68.2	-33.1	2.6	0.3	5.0	0.2	0.1
OC05	-52.2	-32.3	4.1	-0.3	1.6	0.0	0.0	-68.2	-33.1	2.6	0.3	5.0	0.2	0.1

Table G-3. Continued.														
Site ID	Year 2010							Year 2040						
	Tot S	Ox N	Red N	Ca	Mg	Na	K	Tot S	Ox N	Red N	Ca	Mg	Na	K
OC08	-52.2	-32.3	4.1	-0.3	1.6	0.0	0.0	-68.2	-33.1	2.6	0.3	5.0	0.2	0.1
OC09	-52.2	-32.3	4.1	-0.3	1.6	0.0	0.0	-68.2	-33.1	2.6	0.3	5.0	0.2	0.1
OC31	-52.2	-32.3	4.1	-0.3	1.6	0.0	0.0	-68.2	-33.1	2.6	0.3	5.0	0.2	0.1
OC32	-52.2	-32.3	4.1	-0.3	1.6	0.0	0.0	-68.2	-33.1	2.6	0.3	5.0	0.2	0.1
OC35	-51.0	-33.7	5.1	-0.3	1.6	0.1	0.0	-66.8	-34.6	4.1	0.2	5.0	0.2	0.1
OC79	-52.2	-32.3	4.1	-0.3	1.6	0.0	0.0	-68.2	-33.1	2.6	0.3	5.0	0.2	0.1
PAIN	-48.5	-24.9	20.6	0.0	2.6	-0.9	0.1	-72.1	-26.8	12.0	0.2	10.3	1.2	1.2
SP10	-16.7	-8.6	15.4	0.0	1.9	1.2	5.9	-27.7	-11.7	16.4	-0.2	5.8	2.7	4.9
SP39	-16.7	-8.6	15.4	0.0	1.9	1.2	5.9	-27.7	-11.7	16.4	-0.2	5.8	2.7	4.9
SP41	-16.7	-8.6	15.4	0.0	1.9	1.2	5.9	-27.7	-11.7	16.4	-0.2	5.8	2.7	4.9
STAN	-51.7	-32.4	21.8	0.1	2.7	-0.4	0.1	-71.2	-31.7	14.7	0.3	9.4	1.3	0.5
VA524S	-39.4	-23.5	18.1	0.0	3.1	0.6	0.5	-66.5	-26.0	12.4	0.2	9.4	2.1	0.7
VA526S	-43.5	-21.9	15.7	-0.1	4.3	2.2	0.8	-66.4	-27.7	11.2	0.1	10.0	4.4	0.9
VA531S	-55.1	-34.3	27.2	0.0	2.8	-0.3	0.0	-73.3	-34.1	20.6	0.2	9.4	1.4	0.3
VA548S	-53.1	-29.3	21.2	0.0	2.4	-0.2	0.2	-71.2	-34.8	8.2	0.2	9.5	2.9	1.3
VA555S	-45.8	-24.8	16.0	0.0	3.0	-0.6	0.2	-66.8	-22.6	11.8	0.0	8.0	0.3	0.4
VA821S	-41.0	-24.9	15.2	0.0	3.1	0.6	0.4	-68.2	-25.8	7.2	0.2	9.7	1.8	0.4
VT02	-38.5	-17.8	8.9	0.0	3.2	0.6	0.5	-65.2	-20.1	1.4	0.3	10.8	1.8	0.6
VT05	-39.0	-18.5	6.1	0.0	3.1	0.5	0.4	-65.5	-21.0	-2.8	0.1	9.8	1.8	0.4
VT07	-38.0	-17.6	7.0	0.1	3.0	0.7	0.3	-65.4	-20.4	-3.3	0.3	9.2	2.2	0.3
VT08	-38.0	-17.6	7.0	0.1	3.0	0.7	0.3	-65.5	-20.4	-3.3	0.3	9.2	2.2	0.3
VT09	-37.9	-17.6	7.0	0.1	3.0	0.7	0.3	-65.4	-20.4	-3.4	0.3	9.2	2.2	0.3
VT10	-46.3	-27.6	16.3	0.0	2.7	-0.2	0.2	-66.6	-25.2	13.2	0.1	7.3	0.8	0.4
VT11	-45.5	-23.6	17.0	0.0	3.0	-0.1	0.2	-69.3	-22.7	12.6	0.0	8.0	0.6	0.5
VT12	-45.5	-23.6	17.0	0.0	3.0	-0.1	0.2	-69.3	-22.7	12.6	0.0	8.0	0.6	0.5
VT15	-45.5	-23.6	16.9	0.0	3.0	-0.1	0.2	-69.3	-22.7	12.5	0.0	8.0	0.6	0.5
VT18	-51.5	-33.4	17.7	0.0	2.8	-0.1	0.2	-69.5	-31.1	17.5	0.2	7.2	0.9	0.5
VT19	-51.6	-33.4	17.7	0.0	2.8	-0.1	0.2	-69.5	-31.2	17.5	0.2	7.2	0.9	0.5
VT20	-43.1	-24.0	17.6	0.1	3.2	-0.2	0.3	-64.5	-23.5	13.6	0.3	8.6	0.7	0.4
VT24	-43.2	-28.5	23.6	0.1	3.3	0.2	0.4	-68.2	-28.4	20.5	0.4	8.8	1.4	0.5
VT25	-43.2	-28.5	23.6	0.1	3.3	0.2	0.4	-68.2	-28.4	20.5	0.4	8.8	1.5	0.5
VT26	-39.5	-23.5	18.2	0.0	2.8	0.5	0.4	-66.5	-26.0	12.5	0.2	8.9	1.6	0.5
VT28	-39.0	-23.3	21.6	0.0	2.8	0.4	0.4	-61.0	-24.5	18.9	0.1	8.1	1.7	0.5
VT29	-41.0	-24.3	17.8	0.0	2.8	0.5	0.3	-67.9	-27.8	12.7	0.3	8.8	1.7	0.3
VT31	-42.6	-25.7	16.5	0.1	3.1	0.7	0.4	-68.5	-27.9	12.1	0.2	8.9	1.6	0.4
VT32	-39.4	-23.5	18.1	0.0	2.8	0.5	0.4	-66.5	-25.9	12.4	0.2	8.8	1.6	0.5
VT34	-45.9	-24.5	16.9	0.1	2.9	-0.7	0.1	-67.6	-23.2	12.6	0.1	7.9	-0.3	0.2
VT35	-48.5	-24.9	20.6	0.0	2.5	-0.8	0.1	-72.1	-26.8	12.0	0.2	9.8	1.0	1.0
VT36	-48.5	-24.9	20.6	0.0	2.5	-0.8	0.1	-72.1	-26.8	12.0	0.2	9.8	1.0	1.1
VT37	-46.9	-29.8	16.1	0.0	2.6	-0.1	0.1	-66.2	-27.6	13.3	0.3	7.1	0.8	0.3
VT38	-45.9	-28.0	17.9	0.0	2.6	-0.2	0.1	-65.9	-25.6	13.0	0.2	7.3	0.7	0.3
VT39	-48.1	-22.5	20.9	0.1	2.8	-0.5	0.1	-69.1	-21.8	14.2	0.2	8.5	0.5	0.3
VT41	-48.1	-22.5	20.9	0.1	2.8	-0.5	0.1	-69.1	-21.7	14.2	0.2	8.5	0.5	0.3
VT46	-46.2	-24.3	22.6	0.1	3.1	-0.4	0.1	-69.4	-24.5	17.2	0.2	9.0	0.4	0.2
VT48	-40.7	-22.5	15.6	0.0	2.8	0.2	0.3	-67.0	-25.1	6.3	0.1	9.7	1.2	0.4
VT49	-59.8	-33.6	23.3	0.1	2.5	0.4	0.2	-74.9	-34.0	16.9	0.4	7.7	1.9	0.5
VT50	-61.2	-36.1	30.8	0.1	2.6	0.4	0.1	-75.9	-37.0	26.8	0.4	7.6	1.9	0.3
VT53	-49.4	-28.1	23.1	0.0	2.4	-0.5	0.1	-70.5	-28.8	12.8	0.2	9.7	1.7	0.9

Table G-3. Continued.														
Site ID	Year 2010							Year 2040						
	Tot S	Ox N	Red N	Ca	Mg	Na	K	Tot S	Ox N	Red N	Ca	Mg	Na	K
VT54	-57.0	-34.9	28.1	0.1	2.6	0.0	0.2	-73.3	-34.3	25.6	0.4	7.1	1.4	0.4
VT55	-57.0	-34.9	28.1	0.1	2.6	0.0	0.2	-73.4	-34.3	25.6	0.4	7.2	1.4	0.4
VT56	-46.9	-31.0	20.1	0.0	2.6	-0.2	0.1	-67.0	-28.2	13.8	0.3	7.4	0.8	0.3
VT57	-49.2	-31.1	22.8	0.1	2.5	-0.2	0.1	-68.5	-28.2	15.9	0.3	7.5	1.0	0.3
VT58	-55.1	-34.3	27.2	0.1	2.6	-0.3	0.0	-73.3	-34.1	20.6	0.3	8.7	1.1	0.3
VT59	-51.7	-32.4	21.8	0.1	2.6	-0.3	0.1	-71.2	-31.7	14.7	0.4	9.0	1.2	0.5
VT62	-56.6	-32.4	28.3	0.1	2.5	-0.1	0.2	-73.8	-34.6	21.5	0.3	8.5	1.4	0.7
VT66	-55.1	-34.3	27.2	0.1	2.6	-0.3	0.0	-73.3	-34.1	20.6	0.3	8.7	1.1	0.3
VT68	-48.1	-22.5	20.9	0.1	2.8	-0.5	0.1	-69.1	-21.7	14.2	0.2	8.5	0.5	0.3
VT70	-48.1	-22.5	20.9	0.1	2.8	-0.5	0.1	-69.1	-21.7	14.2	0.2	8.5	0.5	0.3
VT72	-48.1	-22.5	20.9	0.1	2.8	-0.5	0.1	-69.1	-21.7	14.2	0.2	8.5	0.5	0.3
VT73	-48.0	-22.5	20.8	0.1	2.8	-0.5	0.1	-69.1	-21.7	14.2	0.2	8.5	0.5	0.3
VT74	-48.1	-22.5	20.9	0.1	2.8	-0.5	0.1	-69.1	-21.7	14.2	0.2	8.5	0.5	0.3
VT75	-55.1	-34.3	27.2	0.1	2.6	-0.3	0.0	-73.3	-34.1	20.6	0.3	8.7	1.1	0.3
VT76	-43.0	-24.8	19.5	0.1	2.7	-0.4	0.3	-66.0	-26.3	12.3	0.2	9.2	0.8	0.6
VT77	-45.4	-22.2	21.6	0.1	2.7	-0.4	0.2	-68.1	-22.8	11.9	0.3	9.3	0.8	0.4
VT78	-36.0	-20.2	10.0	0.0	3.1	0.8	0.3	-67.8	-24.0	-4.1	0.2	9.6	2.3	0.3
WOR	-48.6	-25.3	20.3	0.0	2.5	-0.8	0.1	-72.2	-28.0	9.8	0.1	10.1	1.7	1.3
WOR1	-48.6	-25.3	20.3	0.0	2.4	-0.7	0.1	-72.2	-28.0	9.8	0.1	9.5	1.5	1.1
WV523S	-67.5	-43.0	21.2	0.1	3.2	0.7	0.2	-79.5	-44.2	26.9	0.2	7.6	2.0	0.6
WV531S	-52.2	-32.3	4.1	-0.2	2.7	0.4	0.2	-68.2	-33.1	2.6	0.1	7.4	1.8	0.7
WV547S	-44.2	-31.3	4.8	-0.3	3.6	-0.1	0.5	-63.2	-30.4	0.1	0.0	9.0	1.7	0.8
WV548S	-44.9	-31.9	8.9	-0.1	3.6	-0.1	0.4	-64.1	-30.8	5.0	0.0	8.8	1.5	0.6
WV769S	-49.4	-34.3	3.7	-0.2	3.1	0.3	0.2	-66.6	-34.8	1.9	0.1	7.7	1.6	0.5
WV770S	-48.8	-32.8	2.9	-0.2	3.0	0.1	0.3	-65.7	-33.0	1.6	0.1	7.6	1.3	0.6
WV771S	-53.6	-36.6	6.8	-0.2	3.0	1.0	0.3	-69.9	-38.0	4.8	0.1	7.6	2.5	0.6
WV785S	-43.2	-26.8	14.2	0.1	3.8	0.9	0.7	-66.5	-27.1	11.5	0.2	9.5	2.4	0.4
WV788S	-44.4	-31.5	4.8	-0.3	3.6	-0.1	0.5	-63.4	-30.6	0.2	0.0	9.0	1.7	0.8
WV796S	-63.9	-41.8	23.7	0.1	3.3	0.7	0.3	-77.8	-42.6	29.2	0.3	7.8	1.9	0.6

Table G-4. The percentage changes in total deposition of S, reduced N, oxidized N, and base cations (relative to the Reference Year, 1995), for each SAMI site for the BYB strategy. The table is arranged alphabetically in ascending order by SAMI ID. The number of sites is 164.

		Year 2010						Year 2040							
		Tot S	Ox N	Red N	Ca	Mg	Na	K	Tot S	Ox N	Red N	Ca	Mg	Na	K
<b>Average</b>		-61.5	-29.6	-4.0	0.0	1.8	-0.4	-2.6	-70.7	-30.0	-3.9	0.0	6.8	0.8	-2.2
<b>Std. Dev.</b>		7.0	8.8	4.4	0.1	1.2	1.1	2.1	8.9	8.3	6.8	0.1	2.3	1.4	2.2
<b>Maximum</b>		-24.8	-12.3	6.6	0.3	8.1	2.0	1.3	-29.1	-12.6	18.5	0.4	18.1	4.1	1.2
<b>Minimum</b>		-74.3	-49.9	-16.9	-0.2	-0.4	-2.7	-11.0	-88.5	-51.7	-21.7	-0.3	3.9	-1.9	-11.7
		Year 2010						Year 2040							
Site ID		Tot S	Ox N	Red N	Ca	Mg	Na	K	Tot S	Ox N	Red N	Ca	Mg	Na	K
2A068015U		-63.5	-21.1	-13.5	0.0	2.5	-0.1	-2.8	-71.0	-23.0	-17.3	-0.1	8.4	1.3	-2.2
2A07701		-54.1	-17.1	-4.8	0.0	2.8	1.5	-3.4	-59.8	-17.7	-6.3	-0.1	9.1	3.4	-3.0
2A07805		-59.0	-20.1	-10.5	0.1	3.5	1.7	-2.0	-64.2	-21.3	-13.0	-0.1	9.6	3.1	-1.3
2A07806		-61.2	-19.7	-7.8	0.0	2.7	1.1	-2.6	-66.4	-21.5	-10.5	-0.1	8.8	2.8	-2.2
2A07810L		-53.7	-16.7	-8.5	-0.0	8.1	2.0	-2.4	-58.1	-16.7	-10.2	-0.1	18.1	4.1	-1.9
2A07810U		-53.7	-15.9	-7.5	-0.0	4.3	1.0	-2.5	-58.5	-16.3	-9.0	-0.1	11.2	2.0	-2.0
2A07811		-55.2	-16.4	-7.5	0.0	3.8	1.5	-2.2	-60.2	-16.6	-8.9	-0.1	10.2	2.5	-1.7
2A07812		-55.4	-15.6	-3.5	0.0	3.0	1.3	-2.3	-60.4	-16.2	-4.6	-0.0	9.3	2.7	-1.9
2A07816		-54.1	-14.4	-9.1	0.0	4.7	1.0	-3.0	-59.6	-14.4	-11.0	-0.1	12.2	2.5	-2.7
2A07817		-56.5	-15.1	-5.7	-0.1	4.3	1.1	-2.3	-61.0	-15.8	-7.2	-0.2	11.8	2.4	-1.8
2A07821		-59.7	-27.2	-4.3	-0.1	4.7	1.3	-3.4	-64.4	-30.2	-6.9	-0.3	16.8	3.9	-1.6
2A07823		-56.1	-15.3	1.2	-0.1	2.8	1.3	-3.1	-61.0	-15.7	0.6	-0.1	9.2	3.2	-2.7
2A07828		-51.6	-16.4	-4.0	-0.0	2.2	1.5	-4.0	-56.6	-17.6	-5.5	-0.1	8.1	3.7	-3.7
2A07829		-52.1	-14.4	-7.4	0.0	2.2	0.6	-8.7	-57.3	-15.5	-9.5	-0.0	8.4	2.8	-9.7
2A07834		-50.3	-15.2	-2.6	-0.0	1.8	1.1	-6.0	-54.8	-16.0	-3.8	-0.1	7.8	3.1	-6.2
2A07835		-57.1	-20.7	-2.5	0.0	2.9	0.5	-10.2	-63.0	-23.0	-5.2	-0.1	12.6	3.9	-10.4
2A07882		-52.1	-12.3	-5.8	-0.0	2.8	1.4	-2.7	-57.1	-12.6	-7.1	-0.1	9.5	3.7	-2.0
2A08802		-58.2	-23.7	0.5	0.1	2.5	0.8	-8.4	-64.0	-25.9	-1.4	-0.0	8.7	2.8	-8.7
2A08804		-59.9	-25.8	-0.6	0.2	2.3	0.8	-11.0	-65.4	-29.1	-3.6	0.1	8.8	3.0	-11.7
2A08805		-56.9	-20.2	-3.1	0.1	2.2	0.9	-6.6	-62.5	-23.3	-6.0	-0.0	8.1	3.1	-6.6
2A08810		-60.8	-23.3	-0.9	0.3	2.0	0.6	-9.1	-65.8	-25.3	-3.6	0.2	8.3	2.5	-9.5
2A08901		-54.5	-17.8	-2.8	0.2	1.6	0.4	-9.8	-59.2	-18.9	-5.0	0.1	7.5	2.9	-10.7
2B041020L		-59.4	-41.6	6.6	0.0	0.6	0.0	-2.0	-75.6	-42.7	18.5	0.1	5.2	0.7	-1.4
2B041049U		-69.8	-43.1	0.2	0.0	0.5	-0.5	-3.2	-81.2	-43.5	6.1	0.2	5.4	0.6	-2.7
2B047032		-66.7	-39.4	6.0	-0.1	1.5	-1.2	-1.4	-76.5	-39.5	13.9	-0.0	5.4	-0.0	-0.9
2B047044U		-65.6	-35.2	2.1	-0.0	1.5	-1.1	-1.4	-75.8	-34.1	7.2	-0.0	5.4	0.0	-0.9
2B047076L		-66.6	-32.8	-10.0	0.1	1.7	-1.9	-3.7	-78.2	-33.2	-12.5	0.1	8.2	0.5	-2.2
2B047076U		-66.6	-32.8	-10.0	0.1	1.7	-1.9	-3.7	-78.2	-33.2	-12.5	0.1	8.3	0.5	-2.2
2B058015U		-67.8	-29.5	1.2	0.2	0.8	-2.1	-4.0	-77.8	-29.7	0.8	0.1	5.8	-1.4	-3.5
2C041033U		-63.3	-43.5	-4.0	0.0	1.1	-0.0	-2.7	-77.0	-45.5	-4.6	-0.0	5.2	1.5	-2.4
2C041039		-63.1	-43.1	-4.8	-0.0	1.3	-0.1	-2.2	-76.9	-44.7	-5.3	-0.1	5.5	1.5	-1.8
2C041040		-59.5	-39.1	-4.0	-0.1	1.2	0.0	-1.8	-73.1	-39.5	-3.5	-0.1	5.3	1.2	-1.4
2C041043U		-72.7	-49.9	1.7	0.1	1.4	-0.1	-1.5	-88.5	-51.7	1.7	0.4	5.7	1.0	-1.0
2C041045		-61.6	-40.6	-5.2	0.0	1.3	-0.2	-1.8	-75.0	-41.3	-5.0	-0.0	5.4	1.1	-1.4
2C041051		-58.9	-37.6	-4.7	0.0	1.4	-0.3	-1.3	-71.6	-37.3	-3.1	-0.1	5.4	0.8	-0.9
2C046013L		-59.5	-37.1	-8.4	0.1	2.4	-1.0	-1.4	-72.3	-36.6	-9.8	-0.1	6.5	0.4	-0.9
2C046033		-59.1	-34.1	-7.6	0.1	2.7	-0.9	-1.7	-71.0	-33.2	-8.6	-0.2	6.8	0.2	-1.3
2C046034		-60.3	-35.0	-5.1	0.1	2.3	-1.1	-1.9	-71.5	-33.4	-4.5	-0.2	6.4	-0.2	-1.6
2C046043L		-60.5	-34.6	-4.9	0.1	2.5	-0.9	-2.0	-71.5	-33.2	-4.7	-0.2	6.6	0.0	-1.7

Table G-4. Continued.														
Site ID	Year 2010							Year 2040						
	Tot S	Ox N	Red N	Ca	Mg	Na	K	Tot S	Ox N	Red N	Ca	Mg	Na	K
2C046043U	-60.6	-34.6	-4.9	0.1	2.5	-0.9	-2.0	-71.5	-33.2	-4.7	-0.2	6.6	0.0	-1.7
2C046050	-58.0	-35.0	-7.5	0.1	3.8	-0.6	-2.2	-70.2	-36.6	-12.9	-0.1	8.6	1.5	-1.4
2C046053L	-60.5	-34.9	-5.4	0.1	2.5	-0.9	-2.6	-71.3	-33.8	-5.8	-0.2	6.6	0.1	-2.3
2C046062L	-63.2	-34.0	-5.3	0.0	2.3	-0.8	-2.7	-72.4	-33.7	-4.9	-0.0	6.6	0.2	-2.4
2C047007	-59.2	-35.9	-6.2	0.1	1.7	-0.9	-1.4	-71.6	-35.5	-4.9	-0.1	5.6	0.2	-1.0
2C047010L	-61.4	-35.3	-3.6	-0.0	1.4	-1.1	-1.4	-72.2	-35.2	-0.8	-0.2	5.3	-0.0	-0.9
2C047010U	-61.5	-35.4	-3.6	-0.0	1.4	-1.1	-1.4	-72.2	-35.2	-0.7	-0.2	5.3	-0.0	-0.9
2C057004	-61.0	-36.8	-6.4	0.1	3.8	-0.1	-2.6	-72.2	-38.9	-10.9	-0.0	9.0	1.6	-1.8
2C066026L	-59.1	-25.4	-7.2	-0.1	2.4	1.4	-1.6	-65.7	-28.1	-8.3	-0.2	7.3	3.1	-1.1
2C066027L	-58.4	-25.5	-6.0	-0.0	2.3	1.1	-1.6	-64.0	-28.6	-6.3	-0.2	6.9	2.8	-1.0
2C066027U	-58.4	-25.5	-6.0	-0.0	2.3	1.1	-1.6	-64.0	-28.6	-6.3	-0.2	6.9	2.8	-1.0
2C066039L	-59.1	-25.4	-7.2	-0.1	2.4	1.4	-1.7	-65.7	-28.1	-8.3	-0.2	7.4	3.2	-1.1
2C077022U	-56.1	-24.7	-1.9	0.1	1.9	1.3	-1.4	-63.3	-27.8	-2.3	-0.0	6.6	2.8	-0.7
BJ 35	-61.2	-19.8	-6.8	-0.2	2.4	0.3	-1.4	-67.7	-21.9	-8.7	0.0	8.5	1.1	-1.1
BJ 72	-51.9	-14.0	-4.5	-0.1	1.8	0.5	-3.3	-56.9	-15.0	-5.5	-0.1	7.6	1.7	-3.3
BJ 76	-56.2	-17.9	-1.2	-0.1	2.9	0.8	-1.5	-60.7	-18.7	-2.0	-0.2	9.2	1.9	-1.2
BJ 77	-52.5	-13.9	-5.7	-0.1	2.2	0.9	-1.7	-57.9	-14.8	-7.3	-0.1	8.2	2.2	-1.3
BLFC	-66.1	-30.4	-1.9	0.0	1.0	-1.2	-2.6	-75.8	-31.8	-4.4	0.0	6.1	-0.4	-2.0
CO01	-58.1	-25.1	-1.3	0.1	2.5	0.7	-9.1	-63.8	-27.8	-3.8	-0.0	8.8	2.7	-9.4
CO05	-58.1	-24.5	-0.5	0.1	2.8	0.7	-8.6	-64.1	-27.5	-3.3	0.0	9.4	2.6	-8.8
CO06	-58.1	-25.1	-1.3	0.1	2.5	0.7	-9.1	-63.7	-27.8	-3.8	-0.0	8.8	2.7	-9.5
CO10	-58.0	-24.5	-0.5	0.1	2.8	0.7	-8.6	-64.0	-27.5	-3.3	0.0	9.4	2.6	-8.8
DR	-66.6	-32.8	-10.0	0.1	1.7	-1.7	-3.4	-78.2	-33.2	-12.6	0.1	7.9	0.5	-2.0
DR01	-66.6	-32.8	-10.0	0.1	1.6	-1.5	-3.0	-78.2	-33.2	-12.6	0.1	7.5	0.4	-1.8
DS04	-68.6	-43.2	5.4	0.1	1.3	-0.1	-0.1	-79.2	-43.2	14.7	0.3	4.2	0.0	-0.1
DS06	-68.6	-43.2	5.4	0.1	1.3	-0.1	-0.1	-79.2	-43.2	14.7	0.3	4.2	0.0	-0.1
DS09	-65.2	-42.9	2.2	-0.0	1.3	-0.0	-0.1	-76.6	-42.6	9.8	0.3	4.3	0.1	-0.1
DS19	-65.2	-42.9	2.2	-0.0	1.3	-0.0	-0.1	-76.6	-42.6	9.8	0.3	4.3	0.1	-0.1
DS50	-65.2	-42.9	2.2	-0.0	1.3	-0.0	-0.1	-76.6	-42.6	9.8	0.3	4.3	0.1	-0.1
FN1	-60.8	-39.4	-5.9	0.1	1.2	-0.2	-0.7	-74.0	-39.4	-5.2	0.0	4.7	0.4	-0.5
FN2	-60.8	-39.4	-5.9	0.1	1.2	-0.2	-0.7	-74.0	-39.4	-5.2	0.0	4.7	0.4	-0.5
FN3	-60.8	-39.4	-5.9	0.1	1.2	-0.2	-0.7	-74.0	-39.4	-5.2	0.0	4.7	0.4	-0.5
GS01	-56.5	-15.1	-5.7	-0.2	4.0	0.8	-1.7	-61.0	-15.8	-7.2	-0.2	11.1	1.8	-1.3
GS02	-56.5	-15.1	-5.7	-0.2	4.0	0.8	-1.7	-61.0	-15.8	-7.2	-0.2	11.1	1.8	-1.3
GS04	-50.9	-15.1	-6.3	-0.1	3.6	0.9	-1.7	-55.6	-15.1	-7.4	-0.2	10.1	1.6	-1.3
GS05	-56.3	-21.0	-9.5	-0.1	5.8	1.2	-1.5	-60.8	-22.1	-12.1	-0.2	13.9	1.8	-0.8
GS06	-55.9	-17.7	-7.9	0.0	4.8	0.6	-1.7	-60.8	-17.7	-9.5	-0.1	12.0	1.4	-1.3
GS07	-50.9	-14.7	-4.7	-0.1	3.1	0.9	-1.6	-55.6	-15.4	-6.0	-0.1	9.3	1.9	-1.1
GS08	-50.9	-14.7	-4.7	-0.1	3.1	0.9	-1.6	-55.6	-15.4	-6.0	-0.1	9.2	1.9	-1.1
LB01	-54.1	-17.1	-4.8	0.0	2.8	1.4	-3.3	-59.8	-17.7	-6.3	-0.1	9.1	3.4	-3.0
LEWF	-64.3	-21.7	-10.2	0.0	2.7	-0.1	-1.9	-71.5	-23.4	-13.3	0.1	8.8	0.9	-1.5
M037	-67.3	-27.4	-1.5	0.1	1.0	-1.2	-2.6	-77.2	-27.9	-5.3	0.1	6.2	-0.6	-2.2
M038	-67.2	-27.4	0.8	0.0	0.9	-1.3	-2.8	-77.1	-26.9	-0.8	0.0	5.7	-0.8	-2.4
M039	-66.1	-30.4	-1.9	0.0	1.0	-1.2	-2.6	-75.8	-31.8	-4.3	0.0	6.1	-0.4	-2.0
NFD	-67.2	-38.2	-6.3	-0.0	-0.3	-2.4	-4.3	-78.2	-36.9	-4.3	0.1	4.8	-1.0	-3.8
NFDR	-67.2	-38.2	-6.3	-0.1	-0.2	-2.2	-3.8	-78.2	-36.9	-4.3	0.1	4.7	-0.9	-3.3
OC02	-60.6	-36.9	-5.7	0.1	1.1	-0.0	-0.1	-73.0	-36.1	-4.5	0.0	3.9	0.1	-0.1
OC05	-60.6	-36.9	-5.7	0.1	1.1	-0.0	-0.1	-73.0	-36.1	-4.5	0.0	3.9	0.1	-0.1

Table G-4. Continued.														
Site ID	Year 2010							Year 2040						
	Tot S	Ox N	Red N	Ca	Mg	Na	K	Tot S	Ox N	Red N	Ca	Mg	Na	K
OC08	-60.6	-36.9	-5.7	0.1	1.1	-0.0	-0.1	-73.1	-36.1	-4.5	0.0	3.9	0.1	-0.1
OC09	-60.6	-36.9	-5.7	0.1	1.1	-0.0	-0.1	-73.1	-36.1	-4.5	0.0	3.9	0.1	-0.1
OC31	-60.6	-36.9	-5.7	0.1	1.1	-0.0	-0.1	-73.1	-36.1	-4.5	0.0	3.9	0.1	-0.1
OC32	-60.6	-36.9	-5.7	0.1	1.1	-0.0	-0.1	-73.1	-36.1	-4.5	0.0	3.9	0.1	-0.1
OC35	-58.9	-37.6	-4.7	0.0	1.0	-0.0	-0.1	-71.6	-37.3	-3.1	-0.0	3.9	0.1	-0.1
OC79	-60.6	-36.9	-5.7	0.1	1.1	-0.0	-0.1	-73.1	-36.1	-4.5	0.0	3.9	0.1	-0.1
PAIN	-67.0	-31.9	-6.5	0.1	1.6	-1.9	-3.4	-78.4	-32.5	-8.5	0.2	7.9	-0.2	-2.1
SP10	-24.8	-12.8	2.1	0.1	1.7	0.3	1.3	-29.1	-14.4	6.2	0.0	5.2	2.3	1.2
SP39	-24.8	-12.8	2.1	0.1	1.7	0.3	1.3	-29.1	-14.4	6.2	0.0	5.2	2.3	1.2
SP41	-24.8	-12.8	2.1	0.1	1.7	0.3	1.3	-29.1	-14.4	6.2	0.0	5.2	2.3	1.2
STAN	-65.2	-36.9	-6.8	0.0	0.2	-2.3	-4.1	-76.8	-34.7	-6.4	0.2	5.6	-0.7	-3.4
VA524S	-66.2	-27.7	-1.5	0.0	1.2	-0.6	-2.9	-73.4	-29.8	-2.6	0.1	6.2	0.5	-2.3
VA526S	-63.2	-31.3	-2.0	0.0	3.3	1.4	-2.1	-71.8	-33.4	-1.5	0.0	7.9	3.2	-1.6
VA531S	-67.2	-38.2	-6.3	-0.0	-0.4	-2.7	-4.8	-78.2	-36.9	-4.3	0.1	4.9	-1.1	-4.2
VA548S	-64.7	-37.8	-12.4	0.1	1.1	-1.3	-3.8	-76.1	-40.5	-15.7	0.1	7.0	1.3	-2.5
VA555S	-62.9	-28.0	0.3	-0.1	0.8	-2.0	-2.5	-73.5	-25.1	2.2	-0.1	5.0	-1.5	-2.0
VA821S	-68.3	-28.7	-8.3	-0.0	1.0	-0.9	-3.4	-75.8	-30.3	-11.4	0.1	6.1	-0.1	-2.9
VT02	-64.3	-21.7	-10.2	0.0	2.7	-0.1	-2.1	-71.5	-23.4	-13.3	0.1	8.9	1.0	-1.6
VT05	-63.8	-22.8	-13.4	0.1	2.1	-0.4	-2.8	-71.4	-24.2	-17.2	-0.0	7.4	0.7	-2.4
VT07	-62.9	-20.9	-13.0	0.2	2.1	-0.2	-2.6	-70.6	-24.0	-17.1	0.0	6.8	0.9	-2.2
VT08	-62.9	-20.9	-13.0	0.2	2.1	-0.2	-2.6	-70.6	-24.0	-17.1	0.0	6.8	0.9	-2.2
VT09	-62.9	-20.9	-13.1	0.2	2.1	-0.2	-2.6	-70.6	-23.9	-17.1	0.0	6.8	0.9	-2.2
VT10	-62.4	-30.3	1.0	-0.1	1.1	-1.2	-1.5	-73.3	-28.0	3.0	-0.1	4.9	-0.4	-1.1
VT11	-65.4	-27.3	0.9	-0.0	1.3	-1.0	-1.8	-75.8	-26.8	2.7	-0.1	5.3	-0.8	-1.3
VT12	-65.4	-27.3	0.9	-0.0	1.3	-1.0	-1.8	-75.8	-26.8	2.7	-0.1	5.3	-0.8	-1.3
VT15	-65.4	-27.3	0.9	-0.0	1.3	-1.0	-1.8	-75.8	-26.7	2.7	-0.1	5.3	-0.8	-1.3
VT18	-65.6	-35.2	2.0	-0.0	1.5	-0.9	-1.1	-75.7	-34.1	7.1	-0.0	5.1	0.0	-0.7
VT19	-65.6	-35.2	2.0	-0.0	1.5	-0.9	-1.1	-75.7	-34.1	7.1	-0.0	5.1	0.0	-0.7
VT20	-65.7	-28.0	-0.5	0.0	1.0	-1.3	-2.2	-74.5	-28.5	-0.1	0.0	5.3	-0.9	-1.9
VT24	-67.5	-30.4	0.8	0.0	1.3	-0.9	-2.1	-75.6	-31.7	2.2	0.0	5.7	-0.1	-1.7
VT25	-67.5	-30.4	0.8	0.0	1.3	-0.9	-2.1	-75.6	-31.7	2.2	0.0	5.7	-0.1	-1.7
VT26	-66.2	-27.7	-1.4	0.0	1.2	-0.5	-2.2	-73.4	-29.8	-2.5	0.1	6.0	0.4	-1.8
VT28	-61.2	-26.8	2.3	-0.0	1.0	-0.7	-2.2	-66.8	-27.6	3.5	-0.1	5.2	0.4	-1.8
VT29	-66.8	-30.1	-2.0	0.0	0.8	-0.7	-2.7	-74.6	-32.2	-2.1	0.1	5.5	0.2	-2.3
VT31	-68.2	-29.8	-2.1	0.1	1.6	-0.3	-2.2	-75.4	-31.4	-2.8	0.1	6.4	0.4	-1.8
VT32	-66.2	-27.6	-1.5	0.0	1.2	-0.5	-2.2	-73.4	-29.7	-2.6	0.1	6.0	0.4	-1.8
VT34	-64.9	-28.0	-0.4	0.1	0.7	-1.9	-2.7	-74.9	-27.0	-0.0	0.1	4.8	-1.9	-2.3
VT35	-67.0	-31.9	-6.5	0.1	1.6	-1.7	-3.0	-78.4	-32.5	-8.5	0.2	7.5	-0.2	-1.8
VT36	-67.0	-31.9	-6.5	0.1	1.6	-1.7	-3.0	-78.4	-32.5	-8.5	0.2	7.5	-0.2	-1.8
VT37	-60.9	-32.5	-0.4	0.0	0.9	-1.1	-1.8	-72.6	-30.0	2.2	0.1	4.6	-0.4	-1.4
VT38	-61.3	-30.3	-1.1	0.0	0.8	-1.3	-2.0	-72.6	-27.4	0.3	0.1	4.6	-0.6	-1.7
VT39	-65.5	-26.4	-0.4	0.1	0.7	-1.9	-3.2	-75.9	-25.0	-1.1	0.1	5.3	-1.2	-2.7
VT41	-65.5	-26.4	-0.4	0.1	0.7	-1.8	-3.2	-75.9	-25.0	-1.2	0.1	5.3	-1.2	-2.7
VT46	-67.8	-29.5	1.2	0.2	0.9	-1.7	-3.3	-77.8	-29.7	0.8	0.1	5.6	-1.2	-2.9
VT48	-66.5	-28.5	-9.3	0.0	1.2	-0.9	-3.0	-73.9	-29.4	-11.8	0.1	6.6	-0.2	-2.6
VT49	-68.6	-38.4	-4.6	0.1	0.7	-0.7	-2.4	-79.7	-37.2	-3.2	0.2	5.0	0.7	-1.9
VT50	-70.0	-39.8	-2.3	0.0	0.7	-0.8	-2.6	-80.6	-39.7	1.7	0.1	4.8	0.5	-2.4
VT53	-64.8	-34.0	-10.1	0.1	1.2	-1.5	-3.8	-76.5	-33.4	-12.5	0.2	7.2	0.4	-2.7

Table G-4. Continued.														
Site ID	Year 2010							Year 2040						
	Tot S	Ox N	Red N	Ca	Mg	Na	K	Tot S	Ox N	Red N	Ca	Mg	Na	K
VT54	-67.3	-37.9	-0.5	0.1	1.2	-0.9	-2.0	-78.2	-36.3	4.3	0.2	4.9	0.4	-1.7
VT55	-67.3	-37.9	-0.5	0.1	1.2	-0.9	-2.0	-78.2	-36.3	4.3	0.2	4.9	0.4	-1.7
VT56	-61.7	-32.8	-4.3	0.1	0.9	-1.3	-2.2	-73.5	-30.1	-3.1	0.2	5.0	-0.4	-1.8
VT57	-62.7	-33.3	-4.5	0.1	1.0	-1.2	-2.5	-74.6	-30.0	-3.1	0.2	5.2	-0.0	-2.2
VT58	-67.2	-38.2	-6.3	-0.1	-0.2	-2.2	-3.9	-78.2	-36.9	-4.3	0.1	4.7	-0.9	-3.4
VT59	-65.2	-36.9	-6.8	0.0	0.3	-2.0	-3.6	-76.8	-34.7	-6.4	0.2	5.4	-0.6	-3.0
VT62	-67.7	-37.5	-5.6	0.0	0.2	-1.6	-3.1	-78.5	-37.8	-4.0	0.1	5.1	-0.2	-2.4
VT66	-67.2	-38.2	-6.3	-0.1	-0.2	-2.2	-3.9	-78.2	-36.9	-4.3	0.1	4.7	-0.9	-3.4
VT68	-65.5	-26.4	-0.4	0.1	0.7	-1.9	-3.2	-75.9	-25.0	-1.1	0.1	5.3	-1.2	-2.7
VT70	-65.5	-26.4	-0.4	0.1	0.7	-1.9	-3.2	-75.9	-25.0	-1.2	0.1	5.3	-1.2	-2.7
VT72	-65.5	-26.4	-0.4	0.1	0.7	-1.8	-3.2	-75.9	-25.0	-1.1	0.1	5.3	-1.2	-2.7
VT73	-65.5	-26.4	-0.4	0.1	0.7	-1.8	-3.2	-75.9	-25.0	-1.2	0.1	5.3	-1.1	-2.7
VT74	-65.5	-26.4	-0.4	0.1	0.7	-1.9	-3.2	-75.9	-25.0	-1.2	0.1	5.3	-1.2	-2.7
VT75	-67.2	-38.2	-6.3	-0.1	-0.2	-2.2	-3.9	-78.2	-36.9	-4.3	0.1	4.7	-0.9	-3.4
VT76	-66.1	-30.4	-1.9	0.0	1.0	-1.4	-2.9	-75.7	-31.8	-4.4	0.0	6.3	-0.5	-2.3
VT77	-67.4	-27.4	-1.5	0.1	1.0	-1.4	-3.0	-77.2	-27.9	-5.3	0.1	6.3	-0.6	-2.5
VT78	-65.6	-24.9	-16.9	0.1	2.1	-0.2	-3.0	-72.9	-27.2	-21.7	-0.0	7.2	0.9	-2.7
WOR	-66.6	-32.8	-10.0	0.1	1.7	-1.7	-3.4	-78.2	-33.2	-12.6	0.1	8.0	0.5	-2.0
WOR1	-66.6	-32.8	-10.0	0.1	1.6	-1.5	-3.0	-78.2	-33.2	-12.6	0.1	7.5	0.4	-1.8
WV523S	-74.3	-47.3	6.1	-0.0	1.3	-0.3	-1.6	-84.6	-48.9	16.3	0.2	5.4	0.7	-1.2
WV531S	-60.6	-36.9	-5.7	0.1	1.7	-0.4	-1.1	-73.0	-36.1	-4.5	-0.1	5.7	0.9	-0.6
WV547S	-59.0	-34.0	-7.7	0.1	2.7	-0.8	-1.7	-71.0	-33.1	-8.6	-0.2	6.8	0.3	-1.3
WV548S	-60.5	-34.4	-4.9	0.1	2.5	-0.9	-2.0	-71.5	-33.1	-4.8	-0.2	6.6	0.0	-1.7
WV769S	-58.9	-37.8	-5.9	0.1	1.6	-0.8	-1.6	-72.2	-37.3	-5.1	-0.1	5.5	0.3	-1.3
WV770S	-59.2	-35.8	-6.2	0.1	1.7	-0.9	-1.4	-71.6	-35.5	-4.9	-0.1	5.6	0.2	-1.0
WV771S	-61.6	-40.6	-5.2	0.0	1.3	-0.2	-1.8	-75.0	-41.3	-5.0	-0.0	5.4	1.1	-1.4
WV785S	-64.3	-30.3	-0.3	0.1	2.0	-0.5	-3.7	-73.2	-31.0	-0.0	0.1	6.6	0.6	-3.6
WV788S	-59.1	-34.1	-7.6	0.1	2.7	-0.9	-1.7	-71.1	-33.2	-8.6	-0.2	6.9	0.2	-1.3
WV796S	-72.1	-45.9	5.4	0.1	1.4	-0.5	-1.7	-82.5	-46.3	16.1	0.2	5.2	0.6	-1.3

Table G-5. The total deposition of SO<sub>4</sub>, NH<sub>4</sub>, NO<sub>3</sub> and Total N for each SAMI site for the Reference Year and year 2040 of the OTW strategy. Deposition is in kg/ha/yr (as S or N). The table is arranged alphabetically in ascending order by SAMI ID. The number of sites is 164.

	Reference Year 1995				Year 2040			
	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N
<b>Average</b>	15.1	6.8	4.1	11.0	6.9	5.3	5.3	10.6
<b>Std. Dev.</b>	5.2	2.4	1.4	3.8	3.5	2.2	1.7	3.7
<b>Maximum</b>	43.7	20.3	12.7	33.0	26.7	18.8	14.9	33.7
<b>Minimum</b>	8.3	3.6	2.7	6.5	2.9	2.5	3.2	6.9
	Reference Year 1995				Year 2040			
Site ID	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N
2A068015U	12.2	5.6	3.6	9.2	5.5	4.8	4.1	8.9
2A07701	12.5	5.3	3.5	5.3	7.7	4.8	4.3	4.8
2A07805	9.9	4.4	2.8	7.1	5.4	3.8	3.2	6.9
2A07806	11.9	5.3	3.4	8.8	6.4	4.6	4.2	8.8
2A07810L	10.7	4.8	3.0	7.8	6.4	4.3	3.5	7.8
2A07810U	12.9	5.7	3.6	9.3	7.9	5.2	4.1	9.3
2A07811	9.5	4.2	2.7	6.9	5.5	3.7	3.2	6.9
2A07812	15.7	7.1	4.5	11.6	9.3	6.4	5.4	11.8
2A07816	13.9	6.1	3.9	10.0	8.1	5.6	4.4	10.0
2A07817	14.8	6.5	4.2	10.7	9.1	6.0	4.9	11.0
2A07821	9.7	4.2	3.0	7.2	5.4	3.6	3.7	7.3
2A07823	10.8	4.9	3.2	8.1	6.5	4.5	4.1	8.5
2A07828	13.3	6.0	4.0	10.0	8.8	5.5	4.7	10.2
2A07829	14.5	6.5	4.4	10.9	9.5	6.0	5.0	10.9
2A07834	9.8	4.5	3.0	7.5	6.8	4.1	3.6	7.7
2A07835	11.5	5.1	3.6	8.6	7.2	4.6	4.4	9.1
2A07882	14.0	6.3	4.2	10.5	8.9	6.0	4.8	10.8
2A08802	17.1	7.4	5.3	12.7	10.4	6.3	7.0	13.3
2A08804	19.3	8.3	6.2	14.6	11.7	7.1	8.3	15.4
2A08805	14.2	6.2	4.5	10.7	9.3	5.5	5.6	11.1
2A08810	16.0	7.0	5.2	12.2	10.2	6.1	7.0	13.0
2A08901	12.7	5.7	3.9	9.6	8.5	5.1	5.1	10.2
2B041020L	13.4	6.1	4.0	10.1	4.3	3.8	6.6	10.4
2B041049U	10.5	4.7	3.2	7.9	3.0	2.9	5.3	8.2
2B047032	15.0	6.9	3.7	10.7	5.3	4.4	5.4	9.9
2B047044U	14.6	6.7	3.7	10.4	5.4	4.7	4.9	9.6
2B047076L	11.7	5.3	3.5	8.8	5.1	4.2	4.9	9.1
2B047076U	13.5	6.1	4.1	10.2	5.8	4.9	5.6	10.5
2B058015U	13.2	6.1	3.7	9.9	5.8	5.0	5.1	10.1
2C041033U	21.5	9.7	4.9	14.6	6.8	6.0	6.0	12.0
2C041039	19.9	9.0	4.5	13.5	6.3	5.6	5.4	11.0
2C041040	18.2	8.3	4.2	12.5	6.4	5.4	4.9	10.3
2C041043U	14.6	6.6	3.8	10.4	3.8	3.7	5.3	9.0
2C041045	17.5	8.0	3.9	11.9	5.9	5.1	4.6	9.8
2C041051	19.7	9.1	4.5	13.6	7.2	6.1	5.2	11.3

Table G-5. Continued								
Site ID	Reference Year 1995				Year 2040			
	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N
2C046013L	16.5	7.7	3.9	11.6	6.8	5.4	4.1	9.5
2C046033	15.5	7.4	3.8	11.1	6.5	5.2	4.2	9.4
2C046034	17.2	8.1	4.2	12.3	7.1	5.7	5.0	10.7
2C046043L	15.8	7.5	3.9	11.4	6.5	5.3	4.6	9.9
2C046043U	15.1	7.2	3.7	10.9	6.2	5.1	4.4	9.5
2C046050	12.3	6.1	3.1	9.2	5.8	4.4	3.3	7.7
2C046053L	14.0	6.7	3.5	10.2	5.8	4.8	4.1	8.9
2C046062L	13.6	6.6	3.4	10.0	5.6	4.8	4.3	9.1
2C047007	17.0	7.9	4.0	11.8	6.6	5.4	4.4	9.8
2C047010L	16.8	7.8	4.1	11.9	6.5	5.3	4.9	10.2
2C047010U	16.9	7.8	4.1	11.9	6.6	5.4	4.9	10.3
2C057004	11.4	5.7	2.9	8.6	5.0	4.0	3.3	7.2
2C066026L	20.7	7.6	5.1	12.7	10.3	6.0	7.3	13.3
2C066027L	20.9	7.7	5.0	12.6	10.2	6.0	6.8	12.7
2C066027U	20.3	7.4	4.8	12.2	9.9	5.8	6.6	12.4
2C066039L	21.2	7.7	5.2	12.9	10.6	6.1	7.4	13.5
2C077022U	18.1	7.6	5.7	13.3	10.0	6.2	8.0	14.2
BJ 35	12.4	5.4	3.7	9.1	6.1	4.7	4.3	9.0
BJ 72	13.5	5.9	4.1	10.0	8.9	5.5	4.7	10.3
BJ 76	12.5	5.7	3.7	9.4	7.7	5.1	4.6	9.7
BJ 77	12.1	5.4	3.6	9.0	7.7	5.0	4.2	9.2
BLFC	12.4	5.7	3.5	9.3	6.0	4.6	4.7	9.3
CO01	15.4	6.6	4.9	11.5	9.4	5.6	6.4	12.0
CO05	11.7	5.0	3.7	8.7	7.0	4.3	4.9	9.2
CO06	19.1	8.2	6.0	14.2	11.7	7.0	7.8	14.7
CO10	13.2	5.7	4.2	9.9	7.9	4.8	5.5	10.4
DR	12.6	5.7	3.8	9.5	5.4	4.6	5.2	9.8
DR01	12.5	5.7	3.8	9.4	5.4	4.6	5.2	9.7
DS04	16.9	7.9	4.2	12.1	5.0	4.9	6.1	11.0
DS06	16.9	7.9	4.2	12.1	5.0	4.8	6.1	10.9
DS09	17.0	8.0	4.2	8.0	5.4	4.9	5.6	4.9
DS19	17.0	7.9	4.2	12.1	5.4	4.9	5.6	10.5
DS50	16.9	7.9	4.2	12.1	5.4	4.9	5.6	10.4
FN1	21.2	9.7	4.8	14.5	7.3	6.4	5.5	11.9
FN2	20.8	9.5	4.7	14.2	7.2	6.3	5.4	11.7
FN3	21.4	9.8	4.8	14.6	7.4	6.5	5.5	12.0
GS01	43.2	20.1	12.6	32.7	26.5	18.6	14.8	33.4
GS02	43.7	20.3	12.7	33.0	26.7	18.8	14.9	33.7
GS04	37.0	17.2	10.8	28.0	23.8	15.8	12.4	28.1
GS05	26.6	12.8	8.0	20.8	14.8	11.0	9.8	20.8
GS06	9.9	4.4	2.8	7.2	5.5	3.9	3.4	7.2
GS07	29.2	13.5	8.7	22.2	18.9	12.5	10.1	22.6
GS08	33.5	15.5	9.9	25.4	21.7	14.3	11.5	25.8
LB01	14.0	5.9	3.9	9.8	8.6	5.3	4.8	10.1

Table G-5. Continued								
Site ID	Reference Year 1995				Year 2040			
	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N
LEWF	12.9	5.7	3.7	9.4	5.8	4.8	4.5	9.2
M037	12.7	5.9	3.6	9.5	5.7	5.0	4.9	9.8
M038	12.7	5.9	3.6	9.5	5.7	4.9	5.0	9.9
M039	12.5	5.8	3.6	9.3	6.0	4.6	4.8	9.4
NFD	11.9	5.2	4.1	9.3	4.2	3.6	6.3	9.9
NFDR	11.9	5.2	4.1	9.3	4.2	3.6	6.3	9.9
OC02	18.7	8.6	4.3	13.0	6.7	6.0	4.9	10.9
OC05	19.0	8.8	4.4	13.1	6.7	6.1	5.0	11.1
OC08	18.8	8.7	4.3	13.0	6.7	6.0	4.9	10.9
OC09	18.7	8.6	4.3	12.9	6.6	6.0	4.9	10.9
OC31	18.9	8.7	4.4	13.1	6.7	6.1	4.9	11.0
OC32	18.8	8.7	4.3	13.0	6.7	6.1	4.9	11.0
OC35	19.1	8.8	4.4	13.2	7.0	5.9	5.1	11.0
OC79	18.9	8.7	4.4	13.1	6.7	6.1	4.9	11.0
PAIN	13.0	6.0	3.8	9.8	5.6	4.9	5.2	10.1
SP10	12.5	5.7	4.6	10.3	9.8	5.2	6.0	11.1
SP39	12.8	5.9	4.8	10.6	10.1	5.3	6.1	11.4
SP41	12.6	5.8	4.7	10.5	9.8	5.2	6.0	11.3
STAN	9.5	4.1	3.3	7.4	3.6	3.0	4.6	7.6
VA524S	12.2	5.5	3.2	8.7	5.4	4.4	4.3	8.7
VA526S	11.8	5.6	3.1	8.7	4.9	4.4	3.9	8.4
VA531S	8.3	3.6	2.9	6.5	2.9	2.5	4.4	6.9
VA548S	10.1	4.4	3.3	7.7	3.8	3.3	4.6	7.9
VA555S	13.4	6.2	3.6	9.8	5.8	5.1	4.5	9.6
VA821S	11.1	5.0	3.1	8.0	4.8	3.9	4.0	7.9
VT02	13.0	5.7	3.7	9.4	5.8	4.8	4.5	9.3
VT05	11.1	5.2	3.4	8.5	4.9	4.3	3.9	8.2
VT07	13.3	5.9	3.6	9.6	5.7	5.0	4.1	9.1
VT08	12.7	5.7	3.4	9.1	5.4	4.7	3.9	8.7
VT09	13.1	5.8	3.5	9.3	5.6	4.9	4.0	8.9
VT10	13.8	6.5	3.6	10.1	5.7	5.0	4.6	9.6
VT11	14.3	6.8	3.8	10.6	6.7	5.5	4.9	10.4
VT12	13.8	6.5	3.7	10.2	6.4	5.3	4.7	10.0
VT15	12.7	6.1	3.4	9.4	6.0	4.9	4.4	9.3
VT18	16.1	7.5	4.0	11.6	5.9	5.3	5.4	10.7
VT19	16.8	7.8	4.2	12.0	6.2	5.5	5.6	11.1
VT20	11.6	5.5	3.2	8.6	5.4	4.4	4.2	8.6
VT24	12.0	5.5	3.2	8.8	5.2	4.1	4.7	8.8
VT25	12.2	5.6	3.3	8.9	5.3	4.2	4.8	9.0
VT26	12.4	5.6	3.3	8.9	5.5	4.5	4.4	8.9
VT28	12.1	5.5	3.2	8.7	5.8	4.3	4.5	8.8
VT29	12.7	5.7	3.4	9.2	5.5	4.5	4.5	9.1
VT31	12.1	5.4	3.3	8.7	5.1	4.2	4.3	8.5
VT32	12.8	5.7	3.4	9.1	5.7	4.6	4.6	9.1

Table G-5. Continued								
Site ID	Reference Year 1995				Year 2040			
	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N
VT34	12.5	5.8	3.4	9.2	5.6	4.8	4.5	9.2
VT35	13.0	6.0	3.8	9.8	5.6	4.9	5.2	10.1
VT36	14.3	6.6	4.2	10.8	6.2	5.4	5.7	11.1
VT37	13.7	6.4	3.7	10.1	5.6	4.7	4.9	9.6
VT38	14.5	6.8	3.9	10.7	6.1	5.3	5.2	10.4
VT39	13.9	6.6	4.0	10.6	5.8	5.5	5.4	10.9
VT41	14.5	6.8	4.1	6.8	6.1	5.7	5.6	5.7
VT46	13.5	6.3	3.8	10.2	5.9	5.2	5.3	10.4
VT48	12.1	5.3	3.5	8.8	5.6	4.4	4.6	9.0
VT49	10.6	4.7	3.2	8.0	3.2	3.3	4.6	8.0
VT50	10.6	4.7	3.2	7.9	3.1	3.1	5.1	8.2
VT53	11.6	5.2	3.6	8.8	4.8	4.0	5.1	9.2
VT54	13.9	6.3	3.9	10.2	4.5	4.2	6.1	10.3
VT55	12.4	5.6	3.5	9.1	4.0	3.8	5.5	9.2
VT56	12.5	5.7	3.5	9.2	5.1	4.3	4.8	9.1
VT57	11.7	5.4	3.3	8.6	4.6	4.0	4.7	8.6
VT58	8.8	3.8	3.1	6.9	3.1	2.7	4.7	7.3
VT59	9.5	4.1	3.3	7.4	3.6	3.0	4.6	7.6
VT62	9.9	4.3	3.4	7.7	3.4	3.1	5.3	8.4
VT66	9.1	3.9	3.2	7.1	3.2	2.7	4.9	7.6
VT68	15.3	7.2	4.3	11.5	6.4	5.9	5.8	11.8
VT70	14.7	6.9	4.1	11.0	6.1	5.7	5.6	11.3
VT72	15.8	7.4	4.4	11.8	6.6	6.1	6.0	12.1
VT73	15.3	7.1	4.3	11.4	6.4	5.9	5.8	11.7
VT74	15.0	7.0	4.2	11.2	6.3	5.8	5.7	11.5
VT75	9.3	4.0	3.2	7.3	3.3	2.8	4.9	7.8
VT76	12.7	5.9	3.7	9.5	6.1	4.7	4.9	9.6
VT77	13.1	6.1	3.8	9.9	5.9	5.1	5.1	10.2
VT78	11.6	5.5	3.3	8.9	4.8	4.5	4.0	8.5
WOR	13.3	6.0	3.9	10.0	5.8	4.9	5.4	10.3
WOR1	13.2	6.0	3.9	9.9	5.7	4.8	5.4	10.2
WV523S	21.4	9.9	5.3	15.2	5.0	5.7	7.7	13.4
WV531S	19.1	8.6	4.3	12.9	6.8	6.0	4.9	10.9
WV547S	15.1	7.2	3.6	10.8	6.4	5.1	4.1	9.2
WV548S	14.9	7.1	3.7	10.8	6.2	5.0	4.3	9.4
WV769S	19.4	8.9	4.4	13.4	7.3	6.0	5.0	11.0
WV770S	16.5	7.6	3.8	11.4	6.4	5.2	4.3	9.5
WV771S	17.4	7.9	3.9	11.8	5.8	5.1	4.6	9.7
WV785S	10.9	5.3	2.8	8.1	4.6	4.0	3.6	7.7
WV788S	16.0	7.6	3.9	11.4	6.7	5.4	4.3	9.7
WV796S	19.0	8.8	4.7	13.6	4.9	5.1	7.1	12.3

Table G-6. The total deposition of SO<sub>4</sub>, NH<sub>4</sub>, NO<sub>3</sub> and Total N for each SAMI site for the Reference Year and year 2040 of the BWC strategy. Deposition is in kg/ha/yr (as S or N). The table is arranged alphabetically in ascending order by SAMI ID. The number of sites is 164.

	Reference Year 1995				Year 2040			
	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N
<b>Average</b>	15.1	6.8	4.1	11.0	5.5	5.0	4.5	9.6
<b>Std. Dev.</b>	5.2	2.4	1.4	3.8	2.9	2.1	1.5	3.5
<b>Maximum</b>	43.7	20.3	12.7	33.0	20.9	18.0	13.2	31.1
<b>Minimum</b>	8.3	3.6	2.7	6.5	2.2	2.4	2.7	5.8
	Reference Year 1995				Year 2040			
Site ID	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N
2A068015U	12.2	5.6	3.6	9.2	4.3	4.5	3.5	8.0
2A07701	12.5	5.3	3.5	8.8	6.1	4.5	3.7	8.3
2A07805	9.9	4.4	2.8	7.1	4.3	3.6	2.7	6.3
2A07806	11.9	5.3	3.4	8.8	4.9	4.4	3.6	8.0
2A07810L	10.7	4.8	3.0	7.8	5.3	4.2	3.1	7.2
2A07810U	12.9	5.7	3.6	9.3	6.4	5.0	3.6	8.6
2A07811	9.5	4.2	2.7	6.9	4.5	3.6	2.7	6.3
2A07812	15.7	7.1	4.5	11.6	7.5	6.1	4.8	10.9
2A07816	13.9	6.1	3.9	10.0	6.6	5.4	3.9	9.2
2A07817	14.8	6.5	4.2	10.7	7.1	5.8	4.3	10.1
2A07821	9.7	4.2	3.0	7.2	4.2	3.2	3.2	6.4
2A07823	10.8	4.9	3.2	8.1	5.1	4.3	3.6	7.9
2A07828	13.3	6.0	4.0	10.0	7.0	5.2	4.2	9.4
2A07829	14.5	6.5	4.4	10.9	7.5	5.7	4.4	10.2
2A07834	9.8	4.5	3.0	7.5	5.3	3.9	3.2	7.1
2A07835	11.5	5.1	3.6	8.6	5.3	4.2	3.9	8.1
2A07882	14.0	6.3	4.2	10.5	7.0	5.7	4.2	10.0
2A08802	17.1	7.4	5.3	12.7	7.9	5.9	6.0	11.9
2A08804	19.3	8.3	6.2	14.6	8.8	6.4	7.0	13.4
2A08805	14.2	6.2	4.5	10.7	6.9	5.1	4.8	9.9
2A08810	16.0	7.0	5.2	12.2	7.5	5.6	5.9	11.5
2A08901	12.7	5.7	3.9	9.6	6.5	4.9	4.3	9.2
2B041020L	13.4	6.1	4.0	10.1	3.7	3.7	5.5	9.2
2B041049U	10.5	4.7	3.2	7.9	2.4	2.8	4.2	7.0
2B047032	15.0	6.9	3.7	10.7	4.4	4.4	4.7	9.1
2B047044U	14.6	6.7	3.7	10.4	4.4	4.6	4.3	9.0
2B047076L	11.7	5.3	3.5	8.8	3.3	3.8	3.9	7.7
2B047076U	13.5	6.1	4.1	10.2	3.8	4.4	4.5	8.9
2B058015U	13.2	6.1	3.7	9.9	4.1	4.6	4.3	9.0
2C041033U	21.5	9.7	4.9	14.6	6.1	5.7	5.2	10.9
2C041039	19.9	9.0	4.5	13.5	5.7	5.3	4.7	10.1
2C041040	18.2	8.3	4.2	12.5	5.8	5.3	4.4	9.7
2C041043U	14.6	6.6	3.8	10.4	3.4	3.6	4.6	8.2
2C041045	17.5	8.0	3.9	11.9	5.3	4.9	4.1	9.0
2C041051	19.7	9.1	4.5	13.6	6.5	5.9	4.7	10.6

Table G-6. Continued.								
Site ID	Reference Year 1995				Year 2040			
	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N
2C046043L	15.8	7.5	3.9	11.4	5.6	5.2	4.1	9.3
2C046043U	15.1	7.2	3.7	10.9	5.4	5.0	3.9	8.9
2C046050	12.3	6.1	3.1	9.2	5.0	4.2	3.0	7.2
2C046053L	14.0	6.7	3.5	10.2	5.0	4.6	3.6	8.2
2C046062L	13.6	6.6	3.4	10.0	4.7	4.6	3.7	8.3
2C047007	17.0	7.9	4.0	11.8	5.8	5.3	4.0	9.3
2C047010L	16.8	7.8	4.1	11.9	5.7	5.3	4.4	9.7
2C047010U	16.9	7.8	4.1	11.9	5.7	5.3	4.4	9.7
2C057004	11.4	5.7	2.9	8.6	4.2	3.7	2.9	6.7
2C066026L	20.7	7.6	5.1	12.7	8.1	5.7	5.8	11.5
2C066027L	20.9	7.7	5.0	12.6	8.4	5.7	5.6	11.3
2C066027U	20.3	7.4	4.8	12.2	8.2	5.5	5.4	11.0
2C066039L	21.2	7.7	5.2	12.9	8.3	5.8	5.9	11.7
2C077022U	18.1	7.6	5.7	13.3	7.7	5.8	6.7	12.5
BJ 35	12.4	5.4	3.7	9.1	4.8	4.4	3.8	8.2
BJ 72	13.5	5.9	4.1	10.0	7.0	5.3	4.2	9.5
BJ 76	12.5	5.7	3.7	9.4	6.0	4.9	4.1	8.9
BJ 77	12.1	5.4	3.6	9.0	6.0	4.8	3.7	8.5
BLFC	12.4	5.7	3.5	9.3	4.2	4.2	4.0	8.2
CO01	15.4	6.6	4.9	11.5	7.2	5.1	5.5	10.6
CO05	11.7	5.0	3.7	8.7	5.3	3.9	4.2	8.1
CO06	19.1	8.2	6.0	14.2	8.9	6.4	6.6	13.0
CO10	13.2	5.7	4.2	9.9	6.0	4.4	4.7	9.1
DR	12.6	5.7	3.8	9.5	3.5	4.1	4.1	8.2
DR01	12.5	5.7	3.8	9.4	3.5	4.1	4.1	8.2
DS04	16.9	7.9	4.2	12.1	4.3	4.7	5.3	10.0
DS06	16.9	7.9	4.2	12.1	4.3	4.7	5.3	10.0
DS09	17.0	8.0	4.2	12.1	4.8	4.8	5.0	9.8
DS19	17.0	7.9	4.2	12.1	4.8	4.8	5.0	9.8
DS50	16.9	7.9	4.2	12.1	4.8	4.8	4.9	9.7
FN1	21.2	9.7	4.8	14.5	6.6	6.2	4.9	11.1
FN2	20.8	9.5	4.7	14.2	6.5	6.1	4.8	10.9
FN3	21.4	9.8	4.8	14.6	6.6	6.2	4.9	11.2
GS01	43.2	20.1	12.6	32.7	20.7	17.8	13.0	30.8
GS02	43.7	20.3	12.7	33.0	20.9	18.0	13.2	31.1
GS04	37.0	17.2	10.8	28.0	19.4	15.1	11.0	26.1
GS05	26.6	12.8	8.0	20.8	12.4	10.4	8.2	18.6
GS06	9.9	4.4	2.8	7.2	4.6	3.7	2.9	6.6
GS07	29.2	13.5	8.7	22.2	15.3	11.9	9.0	21.0
GS08	33.5	15.5	9.9	25.4	17.5	13.6	10.3	23.9
LB01	14.0	5.9	3.9	9.8	6.8	5.1	4.2	9.2
LEWF	12.9	5.7	3.7	9.4	4.5	4.5	3.8	8.3
M037	12.7	5.9	3.6	9.5	4.1	4.6	4.1	8.6
M038	12.7	5.9	3.6	9.5	4.0	4.6	4.2	8.8

Table G-6. Continued.								
Site ID	Reference Year 1995				Year 2040			
	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N
M039	12.5	5.8	3.6	9.3	4.2	4.2	4.0	8.3
NFD	11.9	5.2	4.1	9.3	3.2	3.4	5.0	8.4
NFDR	11.9	5.2	4.1	9.3	3.2	3.4	5.0	8.4
OC02	18.7	8.6	4.3	13.0	6.0	5.8	4.4	10.2
OC05	19.0	8.8	4.4	13.1	6.0	5.9	4.5	10.4
OC08	18.8	8.7	4.3	13.0	6.0	5.8	4.4	10.2
OC09	18.7	8.6	4.3	12.9	5.9	5.8	4.4	10.2
OC31	18.9	8.7	4.4	13.1	6.0	5.8	4.5	10.3
OC32	18.8	8.7	4.3	13.0	6.0	5.8	4.5	10.3
OC35	19.1	8.8	4.4	13.2	6.3	5.7	4.6	10.3
OC79	18.9	8.7	4.4	13.1	6.0	5.8	4.5	10.3
PAIN	13.0	6.0	3.8	9.8	3.6	4.4	4.3	8.6
SP10	12.5	5.7	4.6	10.3	9.0	5.0	5.4	10.4
SP39	12.8	5.9	4.8	10.6	9.3	5.2	5.6	10.7
SP41	12.6	5.8	4.7	10.5	9.1	5.1	5.5	10.6
STAN	9.5	4.1	3.3	7.4	2.7	2.8	3.7	6.6
VA524S	12.2	5.5	3.2	8.7	4.1	4.1	3.6	7.7
VA526S	11.8	5.6	3.1	8.7	4.0	4.1	3.4	7.5
VA531S	8.3	3.6	2.9	6.5	2.2	2.4	3.5	5.8
VA548S	10.1	4.4	3.3	7.7	2.9	2.9	3.6	6.5
VA555S	13.4	6.2	3.6	9.8	4.4	4.8	4.0	8.8
VA821S	11.1	5.0	3.1	8.0	3.5	3.7	3.3	7.0
VT02	13.0	5.7	3.7	9.4	4.5	4.5	3.8	8.3
VT05	11.1	5.2	3.4	8.5	3.8	4.1	3.3	7.4
VT07	13.3	5.9	3.6	9.6	4.6	4.7	3.5	8.2
VT08	12.7	5.7	3.4	9.1	4.4	4.5	3.3	7.8
VT09	13.1	5.8	3.5	9.3	4.5	4.6	3.4	8.0
VT10	13.8	6.5	3.6	10.1	4.6	4.9	4.1	8.9
VT11	14.3	6.8	3.8	10.6	4.4	5.2	4.3	9.5
VT12	13.8	6.5	3.7	10.2	4.2	5.1	4.1	9.2
VT15	12.7	6.1	3.4	9.4	3.9	4.7	3.8	8.5
VT18	16.1	7.5	4.0	11.6	4.9	5.2	4.7	9.9
VT19	16.8	7.8	4.2	12.0	5.1	5.4	4.9	10.3
VT20	11.6	5.5	3.2	8.6	4.1	4.2	3.6	7.8
VT24	12.0	5.5	3.2	8.8	3.8	4.0	3.9	7.8
VT25	12.2	5.6	3.3	8.9	3.9	4.0	3.9	8.0
VT26	12.4	5.6	3.3	8.9	4.2	4.1	3.7	7.8
VT28	12.1	5.5	3.2	8.7	4.7	4.1	3.8	7.9
VT29	12.7	5.7	3.4	9.2	4.1	4.1	3.8	8.0
VT31	12.1	5.4	3.3	8.7	3.8	3.9	3.7	7.6
VT32	12.8	5.7	3.4	9.1	4.3	4.2	3.8	8.1
VT34	12.5	5.8	3.4	9.2	4.0	4.5	3.8	8.3
VT35	13.0	6.0	3.8	9.8	3.6	4.4	4.3	8.6
VT36	14.3	6.6	4.2	10.8	4.0	4.8	4.7	9.5

Table G-6. Continued.								
Site ID	Reference Year 1995				Year 2040			
	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N
VT37	13.7	6.4	3.7	10.1	4.6	4.6	4.2	8.8
VT38	14.5	6.8	3.9	10.7	4.9	5.1	4.4	9.5
VT39	13.9	6.6	4.0	10.6	4.3	5.1	4.6	9.7
VT41	14.5	6.8	4.1	10.9	4.5	5.3	4.7	10.0
VT46	13.5	6.3	3.8	10.2	4.1	4.8	4.5	9.3
VT48	12.1	5.3	3.5	8.8	4.0	4.0	3.8	7.7
VT49	10.6	4.7	3.2	8.0	2.7	3.1	3.8	6.9
VT50	10.6	4.7	3.2	7.9	2.6	3.0	4.0	7.0
VT53	11.6	5.2	3.6	8.8	3.4	3.7	4.0	7.8
VT54	13.9	6.3	3.9	10.2	3.7	4.1	4.9	9.0
VT55	12.4	5.6	3.5	9.1	3.3	3.7	4.4	8.1
VT56	12.5	5.7	3.5	9.2	4.1	4.1	4.0	8.1
VT57	11.7	5.4	3.3	8.6	3.7	3.8	3.8	7.7
VT58	8.8	3.8	3.1	6.9	2.4	2.5	3.7	6.2
VT59	9.5	4.1	3.3	7.4	2.7	2.8	3.8	6.6
VT62	9.9	4.3	3.4	7.7	2.6	2.8	4.2	7.0
VT66	9.1	3.9	3.2	7.1	2.4	2.6	3.9	6.4
VT68	15.3	7.2	4.3	11.5	4.7	5.6	4.9	10.5
VT70	14.7	6.9	4.1	11.0	4.5	5.4	4.7	10.1
VT72	15.8	7.4	4.4	11.8	4.9	5.8	5.1	10.8
VT73	15.3	7.1	4.3	11.4	4.7	5.6	4.9	10.5
VT74	15.0	7.0	4.2	11.2	4.6	5.5	4.8	10.3
VT75	9.3	4.0	3.2	7.3	2.5	2.7	3.9	6.6
VT76	12.7	5.9	3.7	9.5	4.3	4.3	4.1	8.4
VT77	13.1	6.1	3.8	9.9	4.2	4.7	4.2	8.9
VT78	11.6	5.5	3.3	8.9	3.7	4.2	3.2	7.4
WOR	13.3	6.0	3.9	10.0	3.7	4.4	4.3	8.7
WOR1	13.2	6.0	3.9	9.9	3.7	4.3	4.3	8.6
WV523S	21.4	9.9	5.3	15.2	4.4	5.5	6.7	12.3
WV531S	19.1	8.6	4.3	12.9	6.1	5.8	4.4	10.2
WV547S	15.1	7.2	3.6	10.8	5.6	5.0	3.6	8.6
WV548S	14.9	7.1	3.7	10.8	5.3	4.9	3.8	8.8
WV769S	19.4	8.9	4.4	13.4	6.5	5.8	4.5	10.3
WV770S	16.5	7.6	3.8	11.4	5.6	5.1	3.9	9.0
WV771S	17.4	7.9	3.9	11.8	5.2	4.9	4.1	9.0
WV785S	10.9	5.3	2.8	8.1	3.7	3.8	3.2	7.0
WV788S	16.0	7.6	3.9	11.4	5.9	5.3	3.9	9.1
WV796S	19.0	8.8	4.7	13.6	4.2	5.1	6.1	11.2

Table G-7. The total deposition of SO<sub>4</sub>, NH<sub>4</sub>, NO<sub>3</sub> and Total N for each SAMI site for the Reference Year and year 2040 of the BYB strategy. Deposition is in kg/ha/yr (as S or N). The table is arranged alphabetically in ascending order by SAMI ID. The number of sites is 164.

	Reference Year 1995				Year 2040			
	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N
<b>Average</b>	15.1	6.8	4.1	11.0	4.5	4.8	4.0	8.8
<b>Std. Dev.</b>	5.2	2.4	1.4	3.8	2.5	2.0	1.4	3.3
<b>Maximum</b>	43.7	20.3	12.7	33.0	17.0	17.1	11.8	28.9
<b>Minimum</b>	8.3	3.6	2.7	6.5	1.7	2.3	2.4	5.0
	Reference Year 1995				Year 2040			
Site ID	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N
2A068015U	12.2	5.6	3.6	9.2	3.5	4.3	3.0	7.3
2A07701	12.5	5.3	3.5	8.8	5.0	4.3	3.3	7.7
2A07805	9.9	4.4	2.8	7.1	3.6	3.4	2.4	5.8
2A07806	11.9	5.3	3.4	8.8	4.0	4.2	3.1	7.3
2A07810L	10.7	4.8	3.0	7.8	4.5	4.0	2.7	6.7
2A07810U	12.9	5.7	3.6	9.3	5.4	4.8	3.3	8.1
2A07811	9.5	4.2	2.7	6.9	3.8	3.5	2.4	5.9
2A07812	15.7	7.0	4.5	11.6	6.2	5.9	4.3	10.2
2A07816	13.9	6.1	3.9	10.0	5.6	5.2	3.5	8.7
2A07817	14.8	6.5	4.2	10.7	5.8	5.5	3.9	9.4
2A07821	9.7	4.2	3.0	7.2	3.4	2.9	2.8	5.7
2A07823	10.8	4.9	3.2	8.1	4.2	4.1	3.2	7.4
2A07828	13.3	6.0	4.0	10.0	5.8	5.0	3.7	8.7
2A07829	14.5	6.5	4.4	10.9	6.2	5.5	4.0	9.4
2A07834	9.8	4.5	3.0	7.5	4.4	3.7	2.9	6.6
2A07835	11.5	5.1	3.6	8.6	4.2	3.9	3.4	7.3
2A07882	14.0	6.3	4.2	10.5	6.0	5.5	3.9	9.4
2A08802	17.1	7.4	5.3	12.7	6.1	5.5	5.2	10.7
2A08804	19.3	8.3	6.2	14.6	6.7	5.9	6.0	11.9
2A08805	14.2	6.2	4.5	10.7	5.3	4.8	4.2	9.0
2A08810	16.0	7.0	5.2	12.2	5.5	5.3	5.0	10.2
2A08901	12.7	5.7	3.9	9.6	5.2	4.6	3.7	8.3
2B041020L	13.4	6.1	4.0	10.1	3.3	3.5	4.7	8.3
2B041049U	10.5	4.7	3.2	7.9	2.0	2.7	3.4	6.1
2B047032	15.0	6.9	3.7	10.7	3.5	4.2	4.2	8.4
2B047044U	14.6	6.7	3.7	10.4	3.5	4.4	3.9	8.4
2B047076L	11.7	5.3	3.5	8.8	2.6	3.5	3.1	6.6
2B047076U	13.5	6.1	4.1	10.2	2.9	4.1	3.6	7.6
2B058015U	13.2	6.1	3.7	9.9	2.9	4.3	3.7	8.1
2C041033U	21.5	9.7	4.9	14.6	5.0	5.3	4.7	10.0
2C041039	19.9	9.0	4.5	13.5	4.6	5.0	4.2	9.2
2C041040	18.2	8.3	4.2	12.5	4.9	5.0	4.0	9.0
2C041043U	14.6	6.6	3.8	10.4	1.7	3.2	3.8	7.0
2C041045	17.5	8.0	3.9	11.9	4.4	4.7	3.7	8.4
2C041051	19.7	9.1	4.5	13.6	5.6	5.7	4.4	10.0

Table G-7. Continued.								
Site ID	Reference Year 1995				Year 2040			
	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N
2C046013L	16.5	7.7	3.9	11.6	4.6	4.9	3.5	8.4
2C046033	15.5	7.4	3.8	11.1	4.5	4.9	3.4	8.4
2C046034	17.2	8.1	4.2	12.3	4.9	5.4	4.0	9.4
2C046043L	15.8	7.5	3.9	11.4	4.5	5.0	3.7	8.7
2C046043U	15.1	7.2	3.7	10.9	4.3	4.8	3.5	8.3
2C046050	12.3	6.1	3.1	9.2	3.7	3.9	2.7	6.6
2C046053L	14.0	6.7	3.5	10.2	4.0	4.5	3.3	7.7
2C046062L	13.6	6.6	3.4	10.0	3.7	4.4	3.3	7.6
2C047007	17.0	7.9	4.0	11.8	4.8	5.1	3.8	8.8
2C047010L	16.8	7.8	4.1	11.9	4.7	5.1	4.0	9.1
2C047010U	16.9	7.8	4.1	11.9	4.7	5.1	4.1	9.1
2C057004	11.4	5.7	2.9	8.6	3.2	3.5	2.6	6.1
2C066026L	20.7	7.6	5.1	12.7	7.1	5.5	4.6	10.1
2C066027L	20.9	7.7	5.0	12.6	7.5	5.5	4.6	10.1
2C066027U	20.3	7.4	4.8	12.2	7.3	5.3	4.5	9.8
2C066039L	21.2	7.7	5.2	12.9	7.3	5.5	4.7	10.3
2C077022U	18.1	7.6	5.7	13.3	6.6	5.5	5.5	11.0
BJ 35	12.4	5.4	3.7	9.1	4.0	4.2	3.4	7.6
BJ 72	13.5	5.9	4.1	10.0	5.8	5.0	3.8	8.9
BJ 76	12.5	5.7	3.7	9.4	4.9	4.6	3.6	8.2
BJ 77	12.1	5.4	3.6	9.0	5.1	4.6	3.4	8.0
BLFC	12.4	5.7	3.5	9.3	3.0	3.9	3.4	7.3
CO01	15.4	6.6	4.9	11.5	5.6	4.8	4.7	9.5
CO05	11.7	5.0	3.7	8.7	4.2	3.6	3.6	7.2
CO06	19.1	8.2	6.0	14.2	6.9	5.9	5.7	11.6
CO10	13.2	5.7	4.2	9.9	4.8	4.1	4.0	8.2
DR	12.6	5.7	3.8	9.5	2.7	3.8	3.3	7.1
DR01	12.5	5.7	3.8	9.4	2.7	3.8	3.3	7.1
DS04	16.9	7.9	4.2	12.1	3.5	4.5	4.8	9.3
DS06	16.9	7.9	4.2	12.1	3.5	4.5	4.8	9.3
DS09	17.0	8.0	4.2	12.1	4.0	4.6	4.6	9.2
DS19	17.0	7.9	4.2	12.1	4.0	4.6	4.6	9.2
DS50	16.9	7.9	4.2	12.1	3.9	4.5	4.6	9.1
FN1	21.2	9.7	4.8	14.5	5.5	5.9	4.5	10.4
FN2	20.8	9.5	4.7	14.2	5.4	5.8	4.4	10.2
FN3	21.4	9.8	4.8	14.6	5.6	5.9	4.5	10.5
GS01	43.2	20.1	12.6	32.7	16.9	16.9	11.7	28.6
GS02	43.7	20.3	12.7	33.0	17.0	17.1	11.8	28.9
GS04	37.0	17.2	10.8	28.0	16.4	14.6	10.0	24.6
GS05	26.6	12.8	8.0	20.8	10.4	10.0	7.0	17.0
GS06	9.9	4.4	2.8	7.2	3.9	3.6	2.5	6.1
GS07	29.2	13.5	8.7	22.2	13.0	11.4	8.2	19.6
GS08	33.5	15.5	9.9	25.4	14.9	13.1	9.3	22.4
LB01	14.0	5.9	3.9	9.8	5.6	4.9	3.7	8.5

Table G-7. Continued.								
Site ID	Reference Year 1995				Year 2040			
	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N
LEWF	12.9	5.7	3.7	9.4	3.7	4.3	3.2	7.5
M037	12.7	5.9	3.6	9.5	2.9	4.2	3.5	7.7
M038	12.7	5.9	3.6	9.5	2.9	4.3	3.6	7.9
M039	12.5	5.8	3.6	9.3	3.0	3.9	3.4	7.3
NFD	11.9	5.2	4.1	9.3	2.6	3.3	4.0	7.2
NFDR	11.9	5.2	4.1	9.3	2.6	3.3	4.0	7.2
OC02	18.7	8.6	4.3	13.0	5.1	5.5	4.1	9.6
OC05	19.0	8.8	4.4	13.1	5.1	5.6	4.2	9.8
OC08	18.8	8.7	4.3	13.0	5.0	5.5	4.1	9.7
OC09	18.7	8.6	4.3	12.9	5.0	5.5	4.1	9.6
OC31	18.9	8.7	4.4	13.1	5.1	5.6	4.2	9.7
OC32	18.8	8.7	4.3	13.0	5.1	5.5	4.1	9.7
OC35	19.1	8.8	4.4	13.2	5.4	5.5	4.3	9.8
OC79	18.9	8.7	4.4	13.1	5.1	5.6	4.2	9.7
PAIN	13.0	6.0	3.8	9.8	2.8	4.0	3.5	7.5
SP10	12.5	5.7	4.6	10.3	8.8	4.9	4.9	9.8
SP39	12.8	5.9	4.8	10.6	9.1	5.0	5.1	10.1
SP41	12.6	5.8	4.7	10.5	8.9	4.9	5.0	9.9
STAN	9.5	4.1	3.3	7.4	2.2	2.7	3.1	5.7
VA524S	12.2	5.5	3.2	8.7	3.3	3.9	3.2	7.0
VA526S	11.8	5.6	3.1	8.7	3.3	3.8	3.0	6.8
VA531S	8.3	3.6	2.9	6.5	1.8	2.3	2.8	5.0
VA548S	10.1	4.4	3.3	7.7	2.4	2.6	2.8	5.4
VA555S	13.4	6.2	3.6	9.8	3.5	4.7	3.7	8.3
VA821S	11.1	5.0	3.1	8.0	2.7	3.5	2.7	6.2
VT02	13.0	5.7	3.7	9.4	3.7	4.4	3.2	7.6
VT05	11.1	5.2	3.4	8.5	3.2	3.9	2.8	6.7
VT07	13.3	5.9	3.6	9.6	3.9	4.5	3.0	7.5
VT08	12.7	5.7	3.4	9.1	3.7	4.3	2.9	7.2
VT09	13.1	5.8	3.5	9.3	3.9	4.4	2.9	7.3
VT10	13.8	6.5	3.6	10.1	3.7	4.7	3.7	8.4
VT11	14.3	6.8	3.8	10.6	3.5	5.0	3.9	8.9
VT12	13.8	6.5	3.7	10.2	3.3	4.8	3.8	8.5
VT15	12.7	6.1	3.4	9.4	3.1	4.4	3.5	7.9
VT18	16.1	7.5	4.0	11.6	3.9	5.0	4.3	9.3
VT19	16.8	7.8	4.2	12.0	4.1	5.2	4.5	9.7
VT20	11.6	5.5	3.2	8.6	3.0	3.9	3.2	7.1
VT24	12.0	5.5	3.2	8.8	2.9	3.8	3.3	7.1
VT25	12.2	5.6	3.3	8.9	3.0	3.9	3.3	7.2
VT26	12.4	5.6	3.3	8.9	3.3	3.9	3.2	7.1
VT28	12.1	5.5	3.2	8.7	4.0	4.0	3.3	7.3
VT29	12.7	5.7	3.4	9.2	3.2	3.9	3.3	7.2
VT31	12.1	5.4	3.3	8.7	3.0	3.7	3.2	6.9
VT32	12.8	5.7	3.4	9.1	3.4	4.0	3.3	7.4

Table G-7. Continued.								
Site ID	Reference Year 1995				Year 2040			
	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N	SO <sub>4</sub>	NO <sub>3</sub>	NH <sub>4</sub>	Total N
VT34	12.5	5.8	3.4	9.2	3.1	4.2	3.4	7.7
VT35	13.0	6.0	3.8	9.8	2.8	4.0	3.5	7.5
VT36	14.3	6.6	4.2	10.8	3.1	4.5	3.8	8.3
VT37	13.7	6.4	3.7	10.1	3.7	4.5	3.8	8.3
VT38	14.5	6.8	3.9	10.7	4.0	4.9	3.9	8.9
VT39	13.9	6.6	4.0	10.6	3.4	4.9	4.0	8.9
VT41	14.5	6.8	4.1	10.9	3.5	5.1	4.1	9.2
VT46	13.5	6.3	3.8	10.2	3.0	4.5	3.9	8.3
VT48	12.1	5.3	3.5	8.8	3.2	3.7	3.1	6.9
VT49	10.6	4.7	3.2	7.9	2.1	3.0	3.1	6.1
VT50	10.6	4.7	3.2	7.9	2.1	2.9	3.2	6.1
VT53	11.6	5.2	3.6	8.8	2.7	3.5	3.1	6.6
VT54	13.9	6.3	3.9	10.2	3.0	4.0	4.1	8.1
VT55	12.4	5.6	3.5	9.1	2.7	3.5	3.7	7.2
VT56	12.5	5.7	3.5	9.2	3.3	4.0	3.4	7.4
VT57	11.7	5.3	3.3	8.6	3.0	3.7	3.2	6.9
VT58	8.8	3.8	3.1	6.9	1.9	2.4	2.9	5.3
VT59	9.5	4.1	3.3	7.4	2.2	2.7	3.1	5.8
VT62	9.9	4.3	3.4	7.7	2.1	2.7	3.3	6.0
VT66	9.1	3.9	3.2	7.1	2.0	2.5	3.1	5.5
VT68	15.3	7.2	4.3	11.5	3.7	5.4	4.3	9.6
VT70	14.7	6.9	4.1	11.0	3.5	5.1	4.1	9.2
VT72	15.8	7.4	4.4	11.8	3.8	5.5	4.4	9.9
VT73	15.3	7.1	4.3	11.4	3.7	5.3	4.2	9.6
VT74	15.0	7.0	4.2	11.2	3.6	5.2	4.2	9.4
VT75	9.3	4.0	3.2	7.3	2.0	2.5	3.1	5.7
VT76	12.7	5.9	3.7	9.5	3.1	4.0	3.5	7.5
VT77	13.1	6.1	3.8	9.9	3.0	4.4	3.6	8.0
VT78	11.6	5.5	3.3	8.9	3.1	4.0	2.6	6.6
WOR	13.3	6.0	3.9	10.0	2.9	4.0	3.4	7.5
WOR1	13.2	6.0	3.9	9.9	2.9	4.0	3.4	7.4
WV523S	21.4	9.9	5.3	15.2	3.3	5.1	6.2	11.2
WV531S	19.1	8.6	4.3	12.9	5.2	5.5	4.1	9.6
WV547S	15.1	7.2	3.6	10.8	4.4	4.8	3.3	8.1
WV548S	14.9	7.1	3.7	10.8	4.2	4.8	3.5	8.2
WV769S	19.4	8.9	4.4	13.4	5.4	5.6	4.2	9.8
WV770S	16.5	7.6	3.8	11.4	4.7	4.9	3.7	8.5
WV771S	17.4	7.9	3.9	11.8	4.3	4.6	3.7	8.3
WV785S	10.9	5.3	2.8	8.1	2.9	3.6	2.8	6.5
WV788S	16.0	7.6	3.9	11.4	4.6	5.1	3.5	8.6
WV796S	19.0	8.8	4.7	13.6	3.3	4.7	5.5	10.2