

APPENDIX E

SITES SELECTED FOR REGIONAL MAGIC MODELING

Site ID	Tier	ANC ($\mu\text{eq/L}$)		SO_4^{2-} ($\mu\text{eq/L}$)	NO_3^- ($\mu\text{eq/L}$)	Elevation (m)	Primary Reason Selected ¹
		Titrated	Calculated				
<i>BIN BR ≤ 0</i>							
VT39	2	-8.6	-7.3	55	0.1	561	A
VT68	2	-8.2	-6.9	54	0.1	725	A
VT72	2	-9.3	-2.6	66	0.1	689	A
<i>BIN BR 0-20</i>							
GS01	1	6.4	7.5	41	42.6	1740	B
GS02	1	17.1	16.4	28	37.2	1800	B
VT76	1	8.7	14.0	51	0.3	317	B,D
VT36	2	-1.0	0.8	89	0.1	451	E,D,F
VT41	2	5.8	9.4	64	0.1	530	C,E
VT53	2	10.0	18.1	99	0.2	372	D,F
VT74	2	1.3	5.4	59	0.1	579	C,E
BJ 35	3	-2.1	10.0	48	95.8	1420	C,H
BJ 72	3	5.4	15.5	34	5.5	1717	C
2B058015U	3	9.5	12.7	74	0.1	500	E
VT70	2	13.1	17.8	46	0.1	677	E
VT35	2	2.2	5.3	111	22.4	424	C,D,E,F,H
<i>BIN BR 20-50</i>							
2A07811	1	16.2	26.2	44	39.4	549	B,D
2A07817	1	30.4	42.7	24	20.8	732	B
CO01	1	37.7	22.2	24	1.9	707	B
CO05	1	43.6	42.8	77	4.6	390	B
CO10	1	62.4	48.8	83	3.1	472	B
GS05	1	27.9	42.8	20	0.3	1248	B
GS07	1	21.2	24.5	25	26.6	1800	B
GS08	1	31.2	34.2	17	24.1	1500	B
VT02	1	24.3	30.2	43	50.6	1103	B
M037	2	26.1	31.1	69	0.3	427	C,D
VT73	2	16.6	22.9	74	0.3	628	C,F
WOR	2	21.1	28.4	83	5.5	451	D
<i>BIN BR 50-150</i>							
2A07701	1	89.3	106.1	27	13.0	610	B
2A07805	1	98.8	103.0	41	24.8	436	B
2A07806	1	104.4	118.8	29	16.2	671	B
2A07812	1	102.7	114.1	23	3.7	884	B,D
2A07816	1	56.5	56.4	20	7.6	579	B,D
2A07821	1	126.5	126.6	17	7.6	552	B

Table E-1. Continued.							
Site ID	Tier	ANC ($\mu\text{eq/L}$)		SO_4^{2-} ($\mu\text{eq/L}$)	NO_3^- ($\mu\text{eq/L}$)	Elevation (m)	Primary Reason Selected ¹
		Titrated	Calculated				
<i>BIN RV 20-50</i>							
VT08	2	6.7	22.7	78	9.6	930	C,E,H
VT10	2	23.1	29.9	46	0.1	725	C,E
VT11	2	26.7	38.3	35	2.1	619	C,E
VT24	2	23.9	32.5	53	0.6	567	F
VT34	2	39.9	49.3	70	0.1	387	E
VT37	2	23.6	37.1	73	3.7	811	C,E
VT57	2	22.6	33.1	113	7.6	524	H
2A068015U	3	40.3	35.4	26	16.5	1048	C,E,F,G,H
VA548S	3	24.3	29.6	117	5.7	445	E,G
VA555S	3	31.3	29.7	43	0.4	694	E
VT15	2	20.9	37.9	31	0.3	604	E
<i>BIN RV 50-150</i>							
2B047032	1	93.5	78.4	124	36.3	823	B
VT12	2	119.9	137.4	32	1.8	619	C,E,F
VT18	2	48.5	63.7	80	15.9	957	C,E
VT19	2	44.3	64.5	70	31.2	957	C
VT20	2	107.4	114.6	84	0.1	335	C,E,G
VT38	2	62.0	74.1	129	0.6	707	C,E
VT54	2	46.0	55.6	130	12.4	762	C,E
VT55	2	90.9	102.2	164	17.8	646	C,E,H
2B041020L	3	105.8	102.8	369	4.2	168	C,F,G
2B047044U	3	126.8	127.1	96	11.3	899	E,H
VA821S	3	128.0	115.6	163	0.0	591	C,F
<i>BIN AP ≤ 0</i>							
2C041051	1	-9.6	-16.8	162	2.5	558	B
2C046033	1	6.2	-6.5	85	39.9	704	B
2C046034	1	4.6	-9.5	110	34.3	879	B
DS04	1	-58.9	-53.8	117	6.7	932	B
FN3	1	9.0	-0.6	105	51.8	744	B
OC02	1	-25.2	-57.0	123	19.2	923	B
OC09	1	-85.4	-89.7	118	0.7	853	B
DS09	2	-41.5	-41.9	105	2.8	1115	D,E
WV523S	3	-13.0	-41.2	95	26.7	1170	G
WV785S	3	-7.0	-20.7	164	0.0	847	C
WV548S	3	-6.6	-7.3	108	31.1	768	E,H
2C066027U	3	-9.9	-9.5	58	0.3	489	C

Table E-1. Continued.							
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		Titrated	Calculated				
<i>BIN AP 0-20</i>							
2C057004	1	16.0	11.0	169	6.9	721	A
OC79	2	10.7	17.9	74	23.2	950	A
2C041033U	3	22.1	12.1	159	41.1	671	A
2C046043L	3	12.3	9.4	141	29.7	937	A
2C047010L	3	27.7	20.0	74	52.9	920	A
WV531S	3	0.3	3.2	120	8.0	847	A,D
WV788S	3	9.1	7.0	96	15.7	857	A
<i>BIN AP 20-50</i>							
2C041040	1	48.5	35.3	184	42.8	658	A
2C046053L	3	46.5	37.9	138	26.1	823	A
2C047010U	3	33.7	22.8	73	54.5	969	A
2C066026L	3	28.8	30.4	71	11.9	488	A
2C066027L	3	26.0	25.5	57	3.0	454	A
2C077022U	3	51.7	42.7	51	2.4	555	A
WV769S	3	35.6	33.0	170	19.5	719	A
WV796S	3	34.0	36.9	85	0.0	1127	A
SP39	2	50.0	31.3	75	0.0	250	A
<i>BIN AP 50-150</i>							
2C041039	1	76.3	63.7	174	33.1	576	B
2C041045	1	144.0	140.3	154	27.1	485	B
2C046050	1	86.8	59.9	140	15.4	603	B
2C047007	1	91.9	76.6	223	13.4	607	B
2C041043U	3	110.7	102.6	209	33.2	671	E
2C046013L	3	76.2	73.7	137	28.4	448	E
2C046062L	3	124.6	129.5	234	26.7	866	E
2C066039L	3	49.4	53.3	72	4.2	527	C,H
VA526S	3	132.0	130.8	123	1.3	463	H
WV770S	3	95.0	94.8	208	12.2	621	E
WV771S	3	152.0	141.2	171	17.5	469	E
WV547S	3	69.7	55.8	200	22.8	650	E

¹ Primary reasons sites were selected:

A All candidates were selected	E Position along ANC distribution
B Site was Tier I	F Position along SO_4^{2-} distribution
C Location along longitudinal axis of SAMI domain	G Position along elevation distribution
D Location in Class I area	H Position along NO_3^- distribution