

APPENDIX A: ANNUAL AVERAGE RECONSTRUCTED FINE MASS AND AEROSOL EXTINCTION BUDGETS FOR EACH SITE

Table A.1. Annual average reconstructed fine mass budget for the IMPROVE and STN networks.

IMPROVE

Site Name	Site Code	State	(NH ₄) ₂ SO ₄	OMC	LAC	TC	NH ₄ NO ₃	Soil	RCFM
Denali NP	DENA1	AK	0.45	1.81	0.10	1.10	0.09	0.14	2.59
Simeonof	SIME1	AK	0.82	0.58	0.10	0.42	0.11	0.13	1.73
Trapper Creek	TRCR1	AK	0.43	1.12	0.07	0.69	0.07	0.15	1.83
Tuxedni	TUXE1	AK	0.50	0.99	0.07	0.62	0.10	0.10	1.76
Sipsy WA	SIPS1	AL	5.88	4.13	0.48	2.78	0.97	0.64	12.10
Caney Creek	CACR1	AR	4.27	3.42	0.31	2.21	0.96	0.86	9.82
Upper Buffalo WA	UPBU1	AR	3.94	3.21	0.30	2.09	1.19	0.77	9.41
Mount Baldy	BALD1	AZ	0.91	1.47	0.14	0.96	0.19	0.72	3.42
Chiricahua NM	CHIR1	AZ	1.19	1.04	0.11	0.69	0.21	1.12	3.68
Hance Camp at Grand Canyon NP	GRCA2	AZ	0.82	1.06	0.11	0.70	0.22	0.59	2.80
Hillside	HILL1	AZ	1.01	1.00	0.10	0.66	0.39	1.11	3.62
Ike's Backbone	IKBA1	AZ	1.07	1.33	0.15	0.89	0.42	1.14	4.11
Indian Gardens	INGA1	AZ	0.91	1.54	0.14	0.99	0.25	1.04	3.88
Organ Pipe	ORPI1	AZ	1.39	1.37	0.12	0.88	0.40		
Petrified Forest NP	PEFO1	AZ	0.98	1.66	0.22	1.14	0.30	0.94	4.10
Phoenix	PHOE1	AZ	1.59	5.79	0.96	4.18	1.37	2.93	12.66
Queen Valley	QUVA1	AZ	1.43	1.40	0.18	0.96	0.62	1.60	5.23
Saguaro NM	SAGU1	AZ	1.37	1.44	0.21	1.01	0.51	2.18	5.71
Saguaro West	SAWE1	AZ	1.41	1.50	0.25	1.08	0.58	3.08	6.82
Sierra Ancha	SIAN1	AZ	1.02	1.99	0.18	1.28	0.33	1.04	4.56
Sycamore Canyon	SYCA1	AZ	0.88	2.02	0.26	1.38	0.31	2.61	6.08
Tonto NM	TONT1	AZ	1.22	1.63	0.19	1.09	0.41	1.18	4.63
Agua Tibia	AGTI1	CA	2.64	2.68	0.43	1.91	2.13	0.87	8.73
Bliss SP (TRPA)	BLIS1	CA	0.67	1.82	0.16	1.17	0.24	0.51	3.41
Death Valley NP	DEVA1	CA	1.14	1.23	0.12	0.80	0.31	1.43	4.23
Dome Lands WA	DOME1	CA	1.41	2.50	0.24	1.63	1.17	0.81	6.13
Hoover	HOOV1	CA	0.57	1.48	0.12	0.94	0.20	0.62	2.99
Joshua Tree NP	JOSH1	CA	1.28	1.71	0.24	1.19	1.58	0.91	5.72
Kaiser	KAIS1	CA	0.77	1.79	0.17	1.16	0.55	0.55	3.82
Lava Beds NM	LABE1	CA	0.56	2.47	0.17	1.55	0.19	0.44	3.84
Lassen Volcanic NP	LAVO1	CA	0.59	2.40	0.19	1.53	0.21	0.49	3.89
Pinnacles NM	PINN1	CA	1.29	2.00	0.26	1.37	0.94	0.39	4.89
Point Reyes National Seashore	PORE1	CA	1.52	1.26	0.13	0.83	1.14	0.23	4.28
San Rafael	RAFA1	CA	1.57	1.87	0.18	1.22	1.00	0.66	5.28
Redwood NP	REDW1	CA	0.87	1.49	0.10	0.93	0.30	0.16	2.92
San Gabriel	SAGA1	CA	1.25	1.91	0.23	1.29	1.53	0.67	5.58
San Geronio WA	SAGO1	CA	1.40	2.13	0.31	1.49	2.77	0.75	7.37
Sequoia NP	SEQU1	CA	1.96	4.22	0.41	2.75	2.35	0.87	9.80
Trinity	TRIN1	CA	0.56	2.76	0.19	1.72	0.24	0.40	4.15
Yosemite NP	YOSE1	CA	0.97	3.53	0.28	2.24	0.49	0.49	5.76
Great Sand Dunes NM	GRSA1	CO	0.78	1.33	0.11	0.85	0.21	1.18	3.61

Site Name	Site Code	State	(NH ₄) ₂ SO ₄	OMC	LAC	TC	NH ₄ NO ₃	Soil	RCFM
Mesa Verde NP	MEVE1	CO	0.85	1.34	0.12	0.86	0.24	1.06	3.62
Mount Zirkel WA	MOZI1	CO	0.68	1.14	0.09	0.72	0.22	0.45	2.57
Rocky Mountain NP	ROMO1	CO	0.80	1.31	0.13	0.86	0.41	0.67	3.32
Weminuche WA	WEMI1	CO	0.68	1.19	0.15	0.81	0.14	0.50	2.67
White River NF	WHRI1	CO	0.59	0.94	0.09	0.62	0.16	0.47	2.26
Mohawk Mt.	MOMO1	CT	3.92	2.71	0.34	1.84	0.77	0.39	8.12
Washington D.C.	WASH1	DC	6.36	4.61	0.87	3.44	1.99	0.77	14.61
Chassahowitzka NWR	CHAS1	FL	4.34	3.30	0.47	2.30	0.49	0.76	9.36
Everglades NP	EVER1	FL	3.04	2.83	0.28	1.85	0.49	0.97	7.62
St. Marks	SAMA1	FL	4.58	3.37	0.38	2.26	0.42	0.67	9.42
Cohutta	COHU1	GA	6.27	3.49	0.36	2.30	0.75	0.64	11.52
Okefenokee NWR	OKEF1	GA	4.57	4.24	0.41	2.76	0.46	0.71	10.38
Haleakala NP	HALE1	HI	1.17	0.61	0.08	0.42	0.25	0.23	2.35
Hawaii Volcanoes NP	HAVO1	HI	1.78	0.59	0.05	0.37	0.11	0.15	2.68
Lake Sugema	LASU1	IA	3.70	2.44	0.34	1.69	2.56	0.58	9.61
Viking Lake	VILA1	IA	3.12	2.64	0.35	1.82	2.79	0.69	9.59
Craters of the Moon NM	CRMO1	ID	0.60	1.37	0.11	0.87	0.56	0.55	3.20
Sawtooth NF	SAWT1	ID	0.45	2.31	0.18	1.46	0.08	0.41	3.44
Bondville	BOND1	IL	4.76	2.74	0.43	1.95	2.80	0.61	11.33
Livonia	LIVO1	IN	6.37	2.83	0.44	2.02	2.01	0.61	12.26
Cedar Bluff	CEBL1	KS	2.29	1.80	0.19	1.19	1.57	0.83	6.67
Sac and Fox	SAFO1	KS	3.31	2.70	0.34	1.84	2.36	0.82	9.52
Tallgrass	TALL1	KS	3.05	3.20	0.32	2.10	1.99	0.66	9.21
Cadiz	CADI1	KY	5.79	3.45	0.40	2.32	1.53	0.64	11.81
Mammoth Cave NP	MACA1	KY	6.37	3.59	0.44	2.44	1.44	0.60	12.44
Breton	BRET1	LA	4.38	1.90	0.32	1.38	0.58	0.74	7.91
Sikes	SIKE1	LA	4.31	4.02	0.37	2.60	0.48	0.71	9.89
Cape Cod	CACO1	MA	3.63	2.05	0.24	1.38	0.60	0.34	6.86
Quabbin Summit	QURE1	MA	3.76	2.63	0.35	1.81	0.71	0.37	7.82
Acadia NP	ACAD1	ME	2.52	1.66	0.21	1.13	0.39	0.25	5.03
Bridgton	BRMA1	ME	2.90	2.24	0.28	1.53	0.38	0.29	6.09
Casco Bay	CABA1	ME	2.86	2.96	0.40	2.04	0.56	0.34	7.12
Moosehorn NWR	MOOS1	ME	2.38	1.96	0.24	1.33	0.35	0.23	5.17
Old Town	OLTO1	ME	3.25	3.29	0.50	2.33	0.50	0.45	7.98
Presque Isle	PRIS1	ME	2.26	2.56	0.34	1.76	0.35	0.60	6.10
Isle Royale NP	ISLE1	MI	1.82	1.60	0.17	1.06	0.69	0.23	4.51
Seney	SENE1	MI	2.40	1.85	0.19	1.22	0.86	0.26	5.55
Blue Mounds	BLMO1	MN	2.46	1.97	0.26	1.35	2.71	0.66	8.06
Boundary Waters Canoe Area	BOWA1	MN	1.61	1.86	0.16	1.20	0.61	0.31	4.56
Great River Bluffs	GRR11	MN	2.99	2.42	0.30	1.64	2.52	0.47	8.70
Voyageurs NP #2	VOYA2	MN	1.49	1.91	0.17	1.23	0.71	0.25	4.52
El Dorado Springs	ELDO1	MO	4.17	3.49	0.36	2.31	1.90	1.00	10.93
Hercules-Glades	HEGL1	MO	4.42	3.40	0.34	2.23	1.21	0.76	10.13
Mingo	MING1	MO	4.89	4.44	0.53	3.00	1.57	0.96	12.39
Cabinet Mountains	CABI1	MT	0.62	2.37	0.17	1.48	0.18	0.44	3.78
Flathead	FLAT1	MT	0.60	2.62	0.17	1.62	0.23	0.36	3.98
Fort Peck	FOPE1	MT	1.26	1.58	0.12	1.00	0.69	0.49	4.14

Site Name	Site Code	State	(NH ₄) ₂ SO ₄	OMC	LAC	TC	NH ₄ NO ₃	Soil	RCFM
Gates of the Mountains	GAMO1	MT	0.52	1.71	0.11	1.06	0.19	0.34	2.86
Glacier NP	GLAC1	MT	0.85	3.58	0.36	2.35	0.36	0.70	5.85
Medicine Lake	MELA1	MT	1.30	1.50	0.13	0.97	0.77	0.57	4.28
Monture	MONT1	MT	0.56	3.62	0.21	2.22	0.13	0.51	5.03
Northern Cheyenne	NOCH1	MT	0.90	1.67	0.13	1.05	0.24	0.50	3.43
Sula Peak	SULA1	MT	0.49	2.09	0.13	1.29	0.14	0.39	3.24
UL Bend	ULBE1	MT	0.93	1.72	0.13	1.09	0.37	0.42	3.58
Linville Gorge	LIGO1	NC	5.49	3.04	0.38	2.07	0.38	0.46	9.75
Shining Rock WA	SHRO1	NC	4.85	2.50	0.24	1.62	0.33	0.55	8.46
Swanquarter	SWAN1	NC	4.43	2.08	0.24	1.39	0.55	0.42	7.71
Lostwood	LOST1	ND	1.54	1.97	0.17	1.26	1.02	0.57	5.26
Theodore Roosevelt	THRO1	ND	1.35	1.50	0.17	1.00	0.71	0.68	4.41
Crescent Lake	CRES1	NE	1.21	1.32	0.12	0.86	1.08	0.50	4.23
Nebraska NF	NEBR1	NE	1.63	1.55	0.15	1.01	1.07	0.52	4.92
Great Gulf WA	GRGU1	NH	2.63	1.84	0.20	1.22	0.25	0.25	5.16
Brigantine NWR	BRIG1	NJ	5.61	3.15	0.45	2.20	1.21	0.49	10.91
Bandelier NM	BAND1	NM	0.95	1.63	0.17	1.07	0.27	0.64	3.66
Bosque del Apache	BOAP1	NM	1.13	1.50	0.20	1.04	0.34	0.90	4.09
Gila WA	GICL1	NM	1.01	2.28	0.20	1.47	0.15	0.75	4.39
Salt Creek	SACR1	NM	1.93	1.48	0.17	0.99	0.92	1.69	6.20
San Pedro Parks	SAPE1	NM	0.81	1.06	0.09	0.68	0.20	0.67	2.84
White Mountain	WHIT1	NM	1.15	1.23	0.11	0.79	0.27	0.90	3.66
Wheeler Peak	WHPE1	NM	0.65	0.96	0.10	0.64	0.18	0.63	2.52
Great Basin NP	GRBA1	NV	0.63	1.17	0.11	0.76	0.18	0.59	2.67
Jarbidge WA	JARB1	NV	0.51	1.17	0.08	0.73	0.13	0.79	2.68
Addison Pinnacle	ADPI1	NY	5.07	2.47	0.36	1.73	0.98	0.42	9.30
Connecticut Hill	COHI1	NY	4.93	2.35	0.32	1.63	1.03	0.43	9.07
Quaker City	QUCI1	OH	6.63	2.87	0.45	2.04	1.03	0.57	11.55
Cherokee Nation	CHER1	OK	3.09	3.17	0.33	2.09	1.80	1.03	9.42
Ellis	ELLI1	OK	2.64	2.09	0.22	1.39	1.28	0.69	6.93
Wichita Mountains	WIMO1	OK	3.17	2.53	0.27	1.67	1.23	0.87	8.07
Crater Lake NP	CRLA1	OR	0.44	2.51	0.22	1.61	0.14	0.38	3.68
Hells Canyon	HECA1	OR	0.66	2.13	0.16	1.35	0.66	0.51	4.13
Kalmiopsis	KALM1	OR	0.71	2.93	0.21	1.84	0.18	0.19	4.22
Mount Hood	MOHO1	OR	0.62	1.33	0.12	0.86	0.24	0.27	2.59
Starkey	STAR1	OR	0.66	2.91	0.23	1.85	0.43	0.54	4.77
Three Sisters WA	THSI1	OR	0.62	1.79	0.15	1.14	0.13	0.27	2.95
Arendtsville	AREN1	PA	6.42	3.36	0.49	2.36	2.10	0.54	12.91
M.K. Goddard	MKGO1	PA	5.31	3.35	0.52	2.39	1.36	0.49	11.03
Cape Romain NWR	ROMA1	SC	4.69	3.32	0.38	2.22	0.52	0.50	9.41
Badlands NP	BADL1	SD	1.33	1.58	0.15	1.02	0.42	0.60	4.07
Wind Cave	WICA1	SD	1.08	1.56	0.15	1.01	0.39	0.51	3.69
Great Smoky Mountains NP	GRSM1	TN	6.07	3.47	0.39	2.32	0.62	0.52	11.07
Big Bend NP	BIBE1	TX	2.75	1.32	0.13	0.87	0.27	1.33	5.80
Guadalupe Mountains NP	GUMO1	TX	1.69	1.21	0.10	0.78	0.40	1.82	5.22
Bryce Canyon NP	BRCA1	UT	0.76	1.61	0.16	1.05	0.28	0.57	3.38
Canyonlands NP	CANY1	UT	0.87	1.02	0.10	0.67	0.28	0.75	3.02
Capitol Reef NP	CAPI1	UT	0.80	1.05	0.11	0.69	0.31	0.75	3.01

Site Name	Site Code	State	(NH ₄) ₂ SO ₄	OMC	LAC	TC	NH ₄ NO ₃	Soil	RCFM
Zion	ZION1	UT	0.87	1.17	0.18	0.83	0.49	0.84	3.55
James River Face WA	JARI1	VA	6.12	3.78	0.54	2.64	0.84	0.51	11.78
Shenandoah NP	SHEN1	VA	5.75	2.41	0.34	1.68	0.96	0.41	9.87
Virgin Islands NP	VIIS1	VI	1.20	0.39	0.08	0.30	0.23	1.95	3.85
Lye Brook WA	LYBR1	VT	3.01	1.70	0.21	1.16	0.54	0.28	5.74
Proctor Maple R. F.	PMRF1	VT	3.09	2.26	0.26	1.51	0.56	0.28	6.45
Columbia Gorge #1	COGO1	WA	1.45	2.85	0.33	1.92	0.98	0.42	6.03
Columbia River Gorge	CORI1	WA	1.30	2.65	0.34	1.81	1.30	0.87	6.46
Mount Rainier NP	MORA1	WA	0.98	2.06	0.27	1.41	0.20	0.23	3.74
North Cascades	NOCA1	WA	0.82	1.73	0.13	1.09	0.13	0.19	3.00
Olympic	OLYM1	WA	0.94	1.72	0.15	1.11	0.37	0.13	3.31
Pasayten	PASA1	WA	0.49	2.15	0.14	1.34	0.15	0.32	3.25
Puget Sound	PUSO1	WA	1.85	5.00	0.80	3.58	1.28	0.48	9.41
Snoqualmie Pass	SNPA1	WA	0.92	1.76	0.23	1.21	0.42	0.21	3.53
Spokane Res.	SPOK1	WA	0.77	4.92	0.37	3.10	0.51	2.11	8.68
White Pass	WHPA1	WA	0.53	0.91	0.08	0.58	0.13	0.22	1.86
Dolly Sods WA	DOSO1	WV	5.93	2.78	0.34	1.88	0.59	0.44	10.07
Bridger WA	BRID1	WY	0.63	1.17	0.10	0.75	0.17	0.46	2.53
Brooklyn Lake	BRLA1	WY	0.70	1.11	0.08	0.70	0.21	0.53	2.63
Cloud Peak	CLPE1	WY	0.62	1.27	0.08	0.79	0.15	0.33	2.45
North Absaroka	NOAB1	WY	0.60	1.38	0.10	0.86	0.18	0.44	2.68
Thunder Basin	THBA1	WY	0.94				0.36	0.90	
Yellowstone NP 2	YELL2	WY	0.58	1.81	0.12	1.13	0.24	0.42	3.17

STN

Cook Inlet	STN020200018	AK	0.79	3.99	0.69	2.91	0.71	0.49	6.66
Metropolitan Birmingham	STN010730023	AL	6.52	8.95	1.35	6.32	1.42	1.36	19.59
Phoenix-Tucson	STN040139997	AZ	1.54	7.35	0.93	5.01	1.56	1.69	13.07
San Joaquin Valley	STN060190008	CA	2.27	12.40	0.93	7.82	7.74	0.87	24.21
San Joaquin Valley	STN060290014	CA	2.65	10.04	1.05	6.63	8.81	1.28	23.83
Metropolitan Los Angeles	STN060658001	CA	4.24	9.88	1.32	6.81	13.97	1.30	30.71
Sacramento Valley	STN060670006	CA	1.64	9.19	0.80	5.91	3.28	0.66	15.57
San Diego	STN060730003	CA	3.68	7.19	0.85	4.84	4.94	0.75	17.40
San Francisco Bay Area	STN060850005	CA	1.87					0.87	
Metropolitan Denver	STN080010006	CO	1.88	5.54	1.18	4.26	2.20	1.36	12.17
National Capital	STN110010043	DC	6.97	5.58	0.68	3.78	2.16	0.57	15.95
West Central Florida	STN120571075	FL	4.70	3.93	0.55	2.73	0.87	0.78	10.82
Southeast Florida	STN1208	FL	3.27	3.45	1.52	3.44	0.84	1.22	10.30

Site Name	Site Code	State	(NH ₄) ₂ SO ₄	OMC	LAC	TC	NH ₄ NO ₃	Soil	RCFM
	61016								
Metropolitan Atlanta	STN1308 90002	GA	6.34	7.02	0.96	4.86	1.05	0.58	15.94
Metropolitan Quad Cities	STN1916 30015	IA	4.55	3.75	0.36	2.45	3.49	0.61	12.77
Metropolitan Boise	STN1602 70004	ID	1.29	5.25	0.49	3.41	2.66	0.83	10.52
Metropolitan Chicago	STN1703 10076	IL	4.74	4.84	0.65	3.34	3.10	0.58	13.91
Metropolitan Indianapolis	STN1809 70078	IN	6.15	5.29	0.64	3.58	3.42	0.60	16.09
Metropolitan Kansas City	STN2020 90021	KS	3.69	7.59	0.66	4.87	2.81	0.75	15.50
Southern Louisiana-Southeast Texas	STN2203 30009	LA	5.63	5.23	0.62	3.53	0.92	0.71	13.11
Hartford-New Haven-Springfield	STN2501 30008	MA		3.75	0.37	2.45			
Metropolitan Boston	STN2502 50042	MA	4.23	5.15	0.83	3.69	1.56	0.53	12.30
Metropolitan Baltimore	STN2400 53001	MD	7.13	6.65	0.72	4.42	2.39	0.60	17.50
Upper Michigan	STN2603 30901	MI	2.45	2.62	0.34	1.79	1.09	0.37	6.87
Upper Michigan	STN2611 30001	MI	3.19	1.87	0.23	1.27	1.51	0.26	7.06
Upper Michigan	STN2615 30001	MI	2.38	1.50	0.22	1.05	1.24	0.20	5.54
Metropolitan Detroit-Port Huron	STN2616 30001	MI	5.12	4.89	0.77	3.48	3.87	0.65	15.31
Minneapolis-St. Paul	STN2705 30963	MN	2.96	4.19	0.50	2.83	3.00	0.62	11.27
Central Minnesota	STN2709 53051	MN	2.07	1.89	0.22	1.27	2.02	0.49	6.68
Metropolitan Kansas City	STN2904 70005	MO	3.82	3.06	0.29	1.99	2.85	0.56	10.57
Metropolitan St. Louis	STN2909 90012	MO	5.30	5.57	0.54	3.64	2.46	0.71	14.59
Southeast Missouri	STN2920 70001	MO	5.92					0.66	
Metropolitan St. Louis	STN2951 00085	MO	5.54	5.82	0.82	4.06	3.10	1.07	16.36
Mobile-Pensacola-Panama City-Southern Mississippi	STN2804 70008	MS	5.23	4.10	0.44	2.72	0.78	0.65	11.21
Missoula	STN3006 30031	MT	1.29	9.96	0.65	6.18	1.55	0.61	14.06
Metropolitan Charlotte	STN3711 90041	NC	6.32	6.39	0.61	4.16	1.24	0.52	15.09
Eastern Piedmont	STN3718 30014	NC	5.90	6.02	0.55	3.89	1.16	0.47	14.10
North Dakota	STN3801 50003	ND	1.76	1.49	0.25	1.08	1.12	0.56	5.18

Site Name	Site Code	State	(NH ₄) ₂ SO ₄	OMC	LAC	TC	NH ₄ NO ₃	Soil	RCFM
Metropolitan Fargo-Moorhead	STN380171004	ND	1.96	1.85	0.32	1.34	1.88	0.66	6.66
Metropolitan Omaha-Council Bluffs	STN310550019	NE	3.18	3.34	0.45	2.31		1.23	
Merrimack Valley-Southern New Hampshire	STN330150014	NH	3.50	4.03	0.46	2.70	0.92	0.36	9.28
Metropolitan Philadelphia	STN340070003	NJ	6.39	5.30	0.68	3.63	2.68	0.51	15.56
New Jersey-New York-Connecticut	STN340230006	NJ	5.30	4.28	0.63	3.01	2.06	0.44	12.71
New Jersey-New York-Connecticut	STN340273001	NJ	5.15	3.17	0.38	2.14	1.61	0.27	10.57
New Jersey-New York-Connecticut	STN340390004	NJ	5.74	7.08	1.74	5.67	2.73	0.62	17.92
Northwest Nevada	STN320310016	NV	0.86	7.27	0.96	5.00	1.09	0.96	11.14
New Jersey-New York-Connecticut	STN360050083	NY	5.32	5.25	1.28	4.20	2.57	0.59	15.00
New Jersey-New York-Connecticut	STN360050110	NY	5.72	4.65	1.07	3.65	2.89	0.63	14.96
Champlain Valley	STN360310003	NY	3.37	1.32	0.16	0.90	0.52	0.18	5.56
Genesee-Finger Lakes	STN360556001	NY	4.84	3.11	0.38	2.11	2.57	0.41	11.31
New Jersey-New York-Connecticut	STN360610062	NY		6.75	1.32	5.07	3.32		
New Jersey-New York-Connecticut	STN360810124	NY	5.80	4.22	0.73	3.07	2.60	0.55	13.91
Southern Tier West	STN361010003	NY	5.52	2.52	0.23	1.63	1.18	0.27	9.73
Greater Metropolitan Cleveland	STN390350060	OH	6.40	5.53	1.07	4.14	3.59	1.27	17.87
Northeastern Oklahoma	STN401431127	OK	4.27	5.06	0.50	3.31	1.87	0.82	12.52
Portland	STN410510080	OR	1.93	6.33	0.72	4.24	1.38	0.43	10.80
Portland	STN410510246	OR	2.04	5.73	0.77	3.96	1.38	0.49	10.42
Southwest Pennsylvania	STN420030008	PA	8.01	5.32	0.81	3.77	2.11	0.80	17.06
Metropolitan Philadelphia	STN421010004	PA	6.20	5.69	0.84	4.00	2.97	0.55	16.24
Puerto Rico	STN720610005	PR	2.23	1.81	2.26	3.27	0.49	2.04	8.84
Charleston	STN450190049	SC	5.09	4.10	0.44	2.72	0.85	0.59	11.08
Metropolitan Memphis	STN471570047	TN	5.08	6.31	0.96	4.47	2.00	0.73	15.08
El Paso-Las Cruces-Alamogordo	STN480430002	TX	2.32					0.79	
Metropolitan Dallas-	STN4811	TX	4.69	5.33	0.56	3.52	1.56	0.81	12.95

Site Name	Site Code	State	(NH ₄) ₂ SO ₄	OMC	LAC	TC	NH ₄ NO ₃	Soil	RCFM
Fort Worth	30069								
El Paso-Las Cruces-Alamogordo	STN481410044	TX	1.78	4.71	0.75	3.37	0.67	1.95	9.86
El Paso-Las Cruces-Alamogordo	STN481410053	TX	1.93		1.62			4.80	
Metropolitan Houston-Galveston	STN481670014	TX	4.56	3.10	0.26	1.98		0.79	
Metropolitan Houston-Galveston	STN482010024	TX	4.72	6.30	0.62	4.12		1.00	
Metropolitan Houston-Galveston	STN482010026	TX	4.63	4.88	0.49	3.20		0.82	
Metropolitan Houston-Galveston	STN482010055	TX	4.49	4.67	0.45	3.05		0.77	
Metropolitan Houston-Galveston	STN482011039	TX	4.68	3.84	0.34	2.48	1.09	0.90	10.87
Shreveport-Texarkana-Tyler	STN482030002	TX	4.67	5.62	0.27	3.40		0.75	
Southern Louisiana-Southeast Texas	STN482450022	TX	4.69	3.99	0.28	2.50		0.80	
Metropolitan Houston-Galveston	STN483390078	TX	4.20	4.96	0.40	3.16		0.94	
Corpus Christi-Victoria	STN483550034	TX	3.84	2.91	0.36	1.97		0.87	
Southern Louisiana-Southeast Texas	STN483611100	TX	4.51	4.79	0.35	3.01		0.90	
Wasatch Front	STN490353006	UT	1.74	6.05	0.84	4.20	4.02	0.95	13.60
State Capital	STN517600020	VA	6.52	7.34	0.54	4.62	1.43	0.46	16.30
Champlain Valley	STN500070012	VT	3.27	3.86	0.38	2.52	1.74	0.33	9.59
Puget Sound	STN530330032	WA	2.06	6.16	1.03	4.45	1.07	0.67	10.98
Puget Sound	STN530330080	WA	1.81	4.69	0.62	3.23	0.94	0.30	8.37
Southern Wisconsin	STN550270007	WI	3.31	2.25	0.30	1.55	3.57	0.31	9.74
Southeastern Wisconsin	STN550790026	WI	3.73	4.29	0.56	2.94	3.67	0.53	12.78
Duluth-Superior	STN551198001	WI	2.52	2.02	0.23	1.35	1.96	0.31	7.04

NF = National Forest

NM = National Monument

NP = National Park

NWR = National Wildlife Refuge

WA = WA Area

Table A.2. Annual average reconstructed extinction budget for the IMPROVE network and STN network.
 Note B_{ext} and DV could not be calculated because STN does not measure PM_{10} .

IMPROVE

Site Name	Site Code	State	$(NH_4)_2SO_4$	OMC	LAC	NH_4NO_3	Soil	CM	B_{ext}	DV
Denali NP	DENA1	AK	3.15	7.24	0.98	0.70	0.14	0.67	12.88	8.28
Simeonof	SIME1	AK	10.51	2.32	0.98	1.38	0.13	2.62	17.94	10.27
Trapper Creek	TRCR1	AK	3.87	4.46	0.74	0.66	0.15	0.93	10.81	7.33
Tuxedni	TUXE1	AK	4.93	3.95	0.71	1.01	0.10	1.23	11.92	7.85
Sipsy WA	SIPS1	AL	57.33	16.52	4.84	9.21	0.64	2.89	91.42	23.17
Caney Creek	CACR1	AR	39.25	13.67	3.07	8.91	0.86	3.13	68.89	20.65
Upper Buffalo WA	UPBU1	AR	35.42	12.86	3.03	10.68	0.77	4.68	67.44	20.47
Mount Baldy	BALD1	AZ	4.42	5.90	1.38	0.93	0.72	1.67	15.01	9.17
Chiricahua NM	CHIR1	AZ	5.80	4.18	1.09	1.01	1.12	3.67	16.87	9.88
Hance Camp at Grand Canyon NP	GRCA2	AZ	4.12	4.23	1.09	1.19	0.59	1.62	12.85	8.27
Hillside	HILL1	AZ	4.55	4.00	1.02	1.89	1.11	2.89	15.46	9.34
Ike's Backbone	IKBA1	AZ	5.09	5.33	1.48	2.14	1.14	3.10	18.29	10.40
Indian Gardens	INGA1	AZ	4.81	6.16	1.39	1.40	1.04	2.52	17.33	10.05
Organ Pipe	ORPI1	AZ	5.92	5.48	1.22	1.74				
Petrified Forest NP	PEFO1	AZ	4.93	6.63	2.20	1.55	0.94	3.13	19.39	10.78
Phoenix	PHOE1	AZ	6.53	23.16	9.65	6.61	2.93	13.27	62.16	19.76
Queen Valley	QUVA1	AZ	6.39	5.58	1.84	3.08	1.60	6.44	24.93	12.51
Saguaro NM	SAGU1	AZ	5.81	5.76	2.10	2.33	2.18	4.05	22.24	11.71
Saguaro West	SAWE1	AZ	6.10	6.02	2.49	2.81	3.08	7.03	27.51	13.22
Sierra Ancha	SIAN1	AZ	4.90	7.94	1.82	1.63	1.04	2.99	20.32	11.09
Sycamore Canyon	SYCA1	AZ	4.68	8.07	2.56	1.74	2.61	4.00	23.67	12.14
Tonto NM	TONT1	AZ	5.67	6.53	1.88	1.94	1.18	3.75	20.96	11.30
Agua Tibia	AGTI1	CA	17.57	10.70	4.27	14.28	0.87	5.83	53.51	18.49
Bliss SP (TRPA)	BLIS1	CA	3.86	7.27	1.64	1.55	0.51	1.17	16.01	9.56
Death Valley NP	DEVA1	CA	6.01	4.90	1.22	1.74	1.43	4.70	20.00	10.99
Dome Lands WA	DOME1	CA	8.10	9.99	2.39	7.01	0.81	5.14	33.45	14.69
Hoover	HOOV1	CA	3.18	5.93	1.20	1.17	0.62	1.87	13.98	8.75
Joshua Tree NP	JOSH1	CA	7.65	6.84	2.38	9.77	0.91	4.28	31.84	14.31
Kaiser	KAIS1	CA	4.53	7.16	1.69	3.28	0.55	2.00	19.20	10.71
Lava Beds NM	LABE1	CA	4.62	9.88	1.74	1.73	0.44	1.36	19.77	10.91
Lassen Volcanic NP	LAVO1	CA	4.23	9.61	1.92	1.61	0.49	1.05	18.90	10.61
Pinnacles NM	PINN1	CA	9.73	7.99	2.65	7.61	0.39	3.22	31.58	14.25
Point Reyes National Seashore	PORE1	CA	12.12	5.06	1.27	10.17	0.23	4.77	33.61	14.73
San Rafael	RAFA1	CA	12.10	7.47	1.83	7.75	0.66	4.47	34.28	14.88
Redwood NP	REDW1	CA	9.93	5.94	1.01	3.40	0.16	2.24	22.68	11.84
San Gabriel	SAGA1	CA	8.35	7.62	2.33	10.52	0.67	4.12	33.62	14.73
San Geronio WA	SAGO1	CA	8.23	8.52	3.09	16.80	0.75	3.69	41.08	16.31
Sequoia NP	SEQU1	CA	11.71	16.87	4.08	16.53	0.87	5.81	55.87	18.85
Trinity	TRIN1	CA	4.91	11.03	1.92	2.30	0.40	1.21	21.77	11.56
Yosemite NP	YOSE1	CA	5.53	14.12	2.75	3.21	0.49	2.23	28.33	13.44
Great Sand Dunes NM	GRSA1	CO	4.84	5.33	1.08	1.35	1.18	3.15	16.93	9.91
Mesa Verde NP	MEVE1	CO	5.07	5.37	1.17	1.54	1.06	2.47	16.69	9.82
Mount Zirkel WA	MOZI1	CO	4.04	4.57	0.88	1.31	0.45	1.76	13.01	8.33
Rocky Mountain NP	ROMO1	CO	4.77	5.25	1.26	2.43	0.67	2.28	16.66	9.81

Site Name	Site Code	State	(NH ₄) ₂ SO ₄	OMC	LAC	NH ₄ NO ₃	Soil	CM	B _{ext}	DV
Weminuche WA	WEM11	CO	3.85	4.78	1.47	0.83	0.50	1.46	12.89	8.28
White River NF	WHRI1	CO	3.50	3.77	0.95	0.97	0.47	1.26	10.91	7.38
Mohawk Mt.	MOMO1	CT	34.65	10.83	3.37	6.58	0.39	1.51	57.33	19.07
Washington D.C.	WASH1	DC	54.94	18.45	8.73	16.66	0.77	3.32	102.85	24.24
Chassahowitzka NWR	CHAS1	FL	43.95	13.20	4.69	4.93	0.76	3.40	70.93	20.91
Everglades NP	EVER1	FL	23.40	11.33	2.77	3.81	0.97	3.57	45.85	17.20
St. Marks	SAMA1	FL	47.62	13.48	3.85	4.33	0.67	2.53	72.48	21.10
Cohutta	COHU1	GA	64.60	13.96	3.65	7.36	0.64	1.48	91.69	23.19
Okefenokee NWR	OKEF1	GA	46.04	16.95	4.05	4.63	0.71	2.80	75.19	21.42
Haleakala NP	HALE1	HI	8.75	2.46	0.81	1.84	0.23	1.94	16.03	9.57
Hawaii Volcanoes NP	HAVO1	HI	15.84	2.34	0.45	0.94	0.15	0.87	20.60	11.19
Lake Sugema	LASU1	IA	33.14	9.76	3.35	22.98	0.58	5.29	75.10	21.41
Viking Lake	VILA1	IA	27.08	10.56	3.52	24.12	0.69	6.80	72.78	21.14
Craters of the Moon NM	CRMO1	ID	3.89	5.47	1.11	4.45	0.55	1.81	17.28	10.04
Sawtooth NF	SAWT1	ID	2.76	9.25	1.79	0.51	0.41	0.93	15.66	9.42
Bondville	BOND1	IL	45.36	10.96	4.29	27.54	0.61	3.56	92.32	23.26
Livonia	LIVO1	IN	59.01	11.31	4.44	18.28	0.61	3.06	96.71	23.67
Cedar Bluff	CEBL1	KS	18.02	7.22	1.89	12.49	0.83	5.43	45.87	17.20
Sac and Fox	SAFO1	KS	28.06	10.80	3.42	19.88	0.82	5.75	68.72	20.63
Tallgrass	TALL1	KS	25.29	12.80	3.21	16.47	0.66	4.01	62.44	19.80
Cadiz	CADI1	KY	54.27	13.78	4.05	13.88	0.64	3.02	89.64	22.99
Mammoth Cave NP	MACA1	KY	69.73	14.35	4.45	14.19	0.60	1.81	105.13	24.43
Breton	BRET1	LA	46.16	7.61	3.22	5.96	0.74	4.01	67.69	20.50
Sikes	SIKE1	LA	44.95	16.07	3.69	5.00	0.71	3.01	73.43	21.21
Cape Cod	CACO1	MA	31.51	8.22	2.41	5.05	0.34	3.20	50.73	18.04
Quabbin Summit	QURE1	MA	33.10	10.51	3.51	6.03	0.37	1.65	55.18	18.75
Acadia NP	ACAD1	ME	25.44	6.62	2.09	3.90	0.25	1.27	39.58	16.01
Bridgton	BRMA1	ME	26.53	8.96	2.83	3.31	0.29	1.33	43.24	16.72
Casco Bay	CABA1	ME	25.29	11.86	3.96	4.74	0.34	1.88	48.06	17.59
Moosehorn NWR	MOOS1	ME	22.71	7.84	2.44	3.24	0.23	1.53	38.00	15.69
Old Town	OLTO1	ME	29.81	13.14	5.04	4.41	0.45	3.32	56.17	18.90
Presque Isle	PRIS1	ME	21.02	10.22	3.35	3.15	0.60	3.79	42.15	16.51
Isle Royale NP	ISLE1	MI	16.29	6.38	1.71	6.07	0.23	1.85	32.53	14.48
Seney	SENE1	MI	22.79	7.41	1.92	8.09	0.26	1.16	41.62	16.41
Blue Mounds	BLMO1	MN	21.41	7.89	2.58	23.87	0.66	5.11	61.53	19.67
Boundary Waters Canoe Area	BOWA1	MN	13.60	7.45	1.62	5.17	0.31	1.53	29.67	13.78
Great River Bluffs	GRR11	MN	26.46	9.69	2.98	21.66	0.47	3.86	65.12	20.16
Voyageurs NP #2	VOYA2	MN	11.33	7.64	1.65	5.50	0.25	1.61	27.98	13.35
El Dorado Springs	ELDO1	MO	36.80	13.97	3.65	16.73	1.00	6.29	78.43	21.80
Hercules-Glades	HEGL1	MO	39.35	13.62	3.37	10.70	0.76	2.99	70.79	20.89
Mingo	MING1	MO	44.11	17.77	5.33	14.04	0.96	4.86	87.07	22.73
Cabinet Mountains	CABI1	MT	5.00	9.49	1.65	1.60	0.44	1.44	19.62	10.86
Flathead	FLAT1	MT	5.05	10.49	1.68	2.09	0.36	1.75	21.42	11.45
Fort Peck	FOPE1	MT	9.26	6.31	1.24	5.66	0.49	2.88	25.84	12.77
Gates of the Mountains	GAMO1	MT	3.60	6.83	1.09	1.33	0.34	0.92	14.11	8.80
Glacier NP	GLAC1	MT	8.19	14.31	3.59	3.73	0.70	2.93	33.46	14.69

Site Name	Site Code	State	(NH ₄) ₂ SO ₄	OMC	LAC	NH ₄ NO ₃	Soil	CM	B _{ext}	DV
Medicine Lake	MELA1	MT	9.95	6.01	1.33	6.51	0.57	3.34	27.71	13.27
Monture	MONT1	MT	4.24	14.46	2.12	1.09	0.51	1.50	23.92	12.21
Northern Cheyenne	NOCH1	MT	5.70	6.67	1.26	1.58	0.50	1.97	17.68	10.18
Sula Peak	SULA1	MT	3.59	8.35	1.34	1.09	0.39	1.02	15.78	9.47
UL Bend	ULBE1	MT	6.28	6.88	1.32	2.67	0.42	2.09	19.66	10.87
Linville Gorge	LIGO1	NC	56.47	12.16	3.78	3.60	0.46	1.69	78.16	21.77
Shining Rock WA	SHRO1	NC	50.58	9.99	2.37	3.19	0.55	0.95	67.63	20.49
Swanquarter	SWAN1	NC	38.32	8.32	2.36	4.64	0.42	3.25	57.31	19.07
Lostwood	LOST1	ND	12.16	7.87	1.67	8.69	0.57	3.60	34.55	14.94
Theodore Roosevelt	THRO1	ND	10.41	5.99	1.69	5.81	0.68	3.56	28.14	13.39
Crescent Lake	CRES1	NE	8.72	5.27	1.25	7.87	0.50	3.41	27.02	13.09
Nebraska NF	NEBR1	NE	12.94	6.20	1.50	8.56	0.52	2.89	32.62	14.50
Great Gulf WA	GRGU1	NH	24.36	7.34	2.00	2.14	0.25	1.57	37.67	15.62
Brigantine NWR	BRIG1	NJ	50.77	12.60	4.54	10.44	0.49	4.55	83.39	22.34
Bandelier NM	BAND1	NM	5.28	6.53	1.66	1.56	0.64	1.79	17.46	10.10
Bosque del Apache	BOAP1	NM	5.84	6.02	2.03	1.97	0.90	3.59	20.36	11.11
Gila WA	GICL1	NM	5.00	9.13	2.05	0.72	0.75	1.61	19.25	10.73
Salt Creek	SACR1	NM	10.24	5.94	1.68	5.13	1.69	5.94	30.62	14.02
San Pedro Parks	SAPE1	NM	4.47	4.25	0.94	1.14	0.67	1.28	12.74	8.22
White Mountain	WHIT1	NM	6.00	4.91	1.11	1.43	0.90	3.13	17.48	10.11
Wheeler Peak	WHPE1	NM	3.86	3.85	1.04	1.06	0.63	1.25	11.68	7.74
Great Basin NP	GRBA1	NV	2.97	4.66	1.15	0.92	0.59	1.80	12.09	7.93
Jarbidge WA	JARB1	NV	2.94	4.67	0.82	0.79	0.79	2.20	12.22	7.98
Addison Pinnacle	ADPI1	NY	46.81	9.88	3.55	8.75	0.42	1.63	71.04	20.92
Connecticut Hill	COHI1	NY	44.88	9.39	3.23	9.57	0.43	1.58	69.07	20.68
Quaker City	QUCI1	OH	62.95	11.48	4.49	9.48	0.57	2.37	91.32	23.16
Cherokee Nation	CHER1	OK	25.07	12.68	3.30	14.79	1.03	8.90	65.77	20.25
Ellis	ELLI1	OK	19.90	8.37	2.23	9.76	0.69	3.65	44.60	16.98
Wichita Mountains	WIMO1	OK	23.81	10.11	2.65	9.42	0.87	4.38	51.24	18.12
Crater Lake NP	CRLA1	OR	4.42	10.03	2.17	1.37	0.38	0.84	19.21	10.72
Hells Canyon	HECA1	OR	4.85	8.53	1.64	6.53	0.51	1.71	23.77	12.17
Kalmiopsis	KALM1	OR	7.05	11.72	2.14	1.81	0.19	1.37	24.29	12.32
Mount Hood	MOHO1	OR	6.35	5.33	1.19	2.51	0.27	0.92	16.58	9.78
Starkey	STAR1	OR	5.86	11.64	2.35	4.81	0.54	2.29	27.48	13.21
Three Sisters WA	THSI1	OR	6.74	7.15	1.47	1.49	0.27	1.23	18.34	10.42
Arendtsville	AREN1	PA	55.79	13.45	4.88	17.50	0.54	2.82	94.98	23.51
M.K. Goddard	MKGO1	PA	52.29	13.41	5.23	13.01	0.49	2.25	86.68	22.69
Cape Romain NWR	ROMA1	SC	44.49	13.26	3.82	4.88	0.50	3.14	70.08	20.80
Badlands NP	BADL1	SD	10.39	6.32	1.46	3.40	0.60	3.27	25.43	12.65
Wind Cave	WICA1	SD	7.74	6.26	1.46	2.89	0.51	2.15	21.00	11.31
Great Smoky Mountains NP	GRSM1	TN	62.30	13.88	3.89	6.11	0.52	1.96	88.67	22.89
Big Bend NP	BIBE1	TX	13.44	5.29	1.32	1.31	1.33	4.01	26.70	13.00
Guadalupe Mountains NP	GUMO1	TX	9.61	4.84	1.05	2.36	1.82	7.19	26.87	13.05
Bryce Canyon NP	BRCA1	UT	3.85	6.44	1.58	1.60	0.57	1.80	15.84	9.49
Canyonlands NP	CANY1	UT	4.42	4.08	0.99	1.68	0.75	2.09	14.01	8.76
Capitol Reef NP	CAPI1	UT	4.28	4.19	1.05	1.89	0.75	1.98	14.14	8.81
Zion	ZION1	UT	4.32	4.69	1.81	3.02	0.84	2.61	17.28	10.04
James River Face WA	JARI1	VA	55.46	15.11	5.42	7.20	0.51	2.13	85.84	22.60

Site Name	Site Code	State	(NH ₄) ₂ SO ₄	OMC	LAC	NH ₄ NO ₃	Soil	CM	B _{ext}	DV
Shenandoah NP	SHEN1	VA	52.86	9.62	3.40	8.09	0.41	1.80	76.19	21.54
Virgin Islands NP	VIIS1	VI	8.50	1.55	0.84	1.63	1.95	8.02	22.49	11.78
Lye Brook WA	LYBR1	VT	26.75	6.80	2.14	4.58	0.28	1.08	41.63	16.42
Proctor Maple R. F.	PMRF1	VT	27.86	9.03	2.59	4.77	0.28	1.35	45.88	17.21
Columbia Gorge #1	COGO1	WA	15.12	11.41	3.33	11.54	0.42	3.22	45.02	17.05
Columbia River Gorge	CORI1	WA	14.25	10.60	3.42	16.87	0.87	4.06	50.07	17.93
Mount Rainier NP	MORA1	WA	12.11	8.24	2.69	2.57	0.23	1.45	27.29	13.16
North Cascades	NOCA1	WA	8.40	6.93	1.26	1.41	0.19	0.82	19.00	10.65
Olympic	OLYM1	WA	9.87	6.86	1.54	4.11	0.13	1.13	23.65	12.13
Pasayten	PASA1	WA	5.06	8.58	1.44	1.70	0.32	0.84	17.94	10.27
Puget Sound	PUSO1	WA	20.20	20.00	7.99	15.10	0.48	3.68	67.45	20.47
Snoqualmie Pass	SNPA1	WA	10.81	7.02	2.31	5.46	0.21	0.77	26.58	12.97
Spokane Res.	SPOK1	WA	7.46	19.66	3.68	5.92	2.11	5.19	44.02	16.87
White Pass	WHPA1	WA	5.53	3.64	0.78	1.41	0.22	0.73	12.31	8.03
Dolly Sods WA	DOSO1	WV	56.08	11.13	3.38	5.16	0.44	1.30	77.49	21.69
Bridger WA	BRID1	WY	3.77	4.70	0.96	1.06	0.46	1.12	12.08	7.92
Brooklyn Lake	BRLA1	WY	4.33	4.43	0.82	1.32	0.53	0.97	12.40	8.06
Cloud Peak	CLPE1	WY	3.88	5.09	0.81	0.94	0.33	1.51	12.57	8.14
North Absaroka	NOAB1	WY	3.64	5.51	0.95	1.12	0.44	1.69	13.34	8.48
Thunder Basin	THBA1	WY	6.14			2.49	0.90	3.20		
Yellowstone NP 2	YELL2	WY	3.60	7.24	1.24	1.55	0.42	1.14	15.19	9.24

STN

Site Name	Site Code	State	(NH ₄) ₂ SO ₄	OMC	LAC	NH ₄ NO ₃	Soil
Cook Inlet	STN020200018	AK	6.82	15.95	6.90	6.38	0.49
Metropolitan Birmingham	STN010730023	AL	63.23	35.78	13.52	13.43	1.36
Phoenix-Tucson	STN040139997	AZ	6.37	29.40	9.26	7.46	1.69
San Joaquin Valley	STN060190008	CA	15.30	49.62	9.30	62.39	0.87
San Joaquin Valley	STN060290014	CA	16.69	40.16	10.49	64.07	1.28
Metropolitan Los Angeles	STN060658001	CA	27.10	39.51	13.23	90.36	1.30
Sacramento Valley	STN060670006	CA	11.95	36.77	8.00	30.48	0.66
San Diego	STN060730003	CA	25.91	28.74	8.50	34.60	0.75
San Francisco Bay Area	STN060850005	CA	14.64				0.87
Metropolitan Denver	STN080010006	CO	11.88	22.15	11.84	14.00	1.36
National Capital	STN110010043	DC	60.61	22.31	6.81	18.05	0.57
West Central Florida	STN120571075	FL	45.92	15.71	5.47	8.54	0.78
Southeast Florida	STN120861016	FL	27.74	13.82	15.16	7.21	1.22
Metropolitan Atlanta	STN130890002	GA	59.12	28.09	9.57	9.58	0.58
Metropolitan Quad Cities	STN191630015	IA	40.81	15.02	3.61	31.06	0.61
Metropolitan Boise	STN160270004	ID	9.47	20.99	4.92	22.08	0.83
Metropolitan Chicago	STN170310076	IL	40.88	19.37	6.48	26.97	0.58
Metropolitan Indianapolis	STN180970078	IN	55.52	21.15	6.38	30.93	0.60
Metropolitan Kansas City	STN202090021	KS	31.39	30.35	6.57	23.83	0.75
Southern Louisiana-	STN220330009	LA	61.69	20.94	6.18	9.93	0.71

Site Name	Site Code	State	(NH ₄) ₂ SO ₄	OMC	LAC	NH ₄ NO ₃	Soil
Southeast Texas							
Hartford-New Haven-Springfield	STN250130008	MA		14.98	3.71		
Metropolitan Boston	STN250250042	MA	35.56	20.60	8.29	12.71	0.53
Metropolitan Baltimore	STN240053001	MD	63.21	26.58	7.24	20.37	0.60
Upper Michigan	STN260330901	MI	24.77	10.48	3.37	10.56	0.37
Upper Michigan	STN261130001	MI	28.64	7.48	2.28	13.81	0.26
Upper Michigan	STN261530001	MI	23.21	5.99	2.22	12.00	0.20
Metropolitan Detroit-Port Huron	STN261630001	MI	44.68	19.57	7.66	33.82	0.65
Minneapolis-St. Paul	STN270530963	MN	24.72	16.77	5.02	25.00	0.62
Central Minnesota	STN270953051	MN	17.97	7.54	2.20	17.69	0.49
Metropolitan Kansas City	STN290470005	MO	32.46	12.23	2.88	24.11	0.56
Metropolitan St. Louis	STN290990012	MO	46.24	22.30	5.43	21.62	0.71
Southeast Missouri	STN292070001	MO	53.15				0.66
Metropolitan St. Louis	STN295100085	MO	47.73	23.29	8.20	27.03	1.07
Mobile-Pensacola-Panama City-Southern Mississippi	STN280470008	MS	55.63	16.42	4.42	8.23	0.65
Missoula	STN300630031	MT	8.70	39.85	6.46	10.98	0.61
Metropolitan Charlotte	STN371190041	NC	56.85	25.57	6.10	10.82	0.52
Eastern Piedmont	STN371830014	NC	54.62	24.07	5.50	10.16	0.47
North Dakota	STN380150003	ND	14.16	5.95	2.51	9.49	0.56
Metropolitan Fargo-Moorhead	STN380171004	ND	16.21	7.39	3.15	16.25	0.66
Metropolitan Omaha-Council Bluffs	STN310550019	NE	27.26	13.37	4.49		1.23
Merrimack Valley-Southern New Hampshire	STN330150014	NH	31.36	16.13	4.63	7.95	0.36
Metropolitan Philadelphia	STN340070003	NJ	55.04	21.21	6.83	22.38	0.51
New Jersey-New York-Connecticut	STN340230006	NJ	46.12	17.13	6.28	17.22	0.44
New Jersey-New York-Connecticut	STN340273001	NJ	45.29	12.66	3.77	13.69	0.27
New Jersey-New York-Connecticut	STN340390004	NJ	47.85	28.34	17.36	22.26	0.62
Northwest Nevada	STN320310016	NV	4.70	29.08	9.59	7.56	0.96
New Jersey-New York-Connecticut	STN360050083	NY	44.33	20.99	12.82	20.87	0.59
New Jersey-New York-Connecticut	STN360050110	NY	47.48	18.60	10.69	23.48	0.63
Champlain Valley	STN360310003	NY	30.09	5.30	1.63	4.41	0.18
Genesee-Finger Lakes	STN360556001	NY	44.65	12.44	3.77	23.21	0.41
New Jersey-New	STN360610062	NY		26.99	13.18	26.99	

Site Name	Site Code	State	(NH ₄) ₂ SO ₄	OMC	LAC	NH ₄ NO ₃	Soil
York-Connecticut							
New Jersey-New York-Connecticut	STN360810124	NY	48.82	16.89	7.29	21.40	0.55
Southern Tier West	STN361010003	NY	50.68	10.10	2.32	10.49	0.27
Greater Metropolitan Cleveland	STN390350060	OH	59.44	22.12	10.72	33.00	1.27
Northeastern Oklahoma	STN401431127	OK	33.98	20.24	5.00	14.89	0.82
Portland	STN410510080	OR	20.16	25.34	7.19	15.75	0.43
Portland	STN410510246	OR	21.05	22.92	7.72	15.26	0.49
Southwest Pennsylvania	STN420030008	PA	74.86	21.29	8.15	19.16	0.80
Metropolitan Philadelphia	STN421010004	PA	51.45	22.76	8.38	23.70	0.55
Puerto Rico	STN720610005	PR	0.00	7.26	22.64	0.00	2.04
Charleston	STN450190049	SC	49.29	16.41	4.39	8.09	0.59
Metropolitan Memphis	STN471570047	TN	42.74	25.24	9.61	16.87	0.73
El Paso-Las Cruces-Alamogordo	STN480430002	TX	12.62				0.79
Metropolitan Dallas-Fort Worth	STN481130069	TX	35.11	21.30	5.63	12.18	0.81
El Paso-Las Cruces-Alamogordo	STN481410044	TX	8.38	18.86	7.47	3.31	1.95
El Paso-Las Cruces-Alamogordo	STN481410053	TX	9.27		16.25		4.80
Metropolitan Houston-Galveston	STN481670014	TX	47.02	12.40	2.55		0.79
Metropolitan Houston-Galveston	STN482010024	TX	47.42	25.21	6.21		1.00
Metropolitan Houston-Galveston	STN482010026	TX	46.52	19.53	4.87		0.82
Metropolitan Houston-Galveston	STN482010055	TX	44.61	18.70	4.50		0.77
Metropolitan Houston-Galveston	STN482011039	TX	47.34	15.36	3.44	11.20	0.90
Shreveport-Texarkana-Tyler	STN482030002	TX	46.19	22.49	2.74		0.75
Southern Louisiana-Southeast Texas	STN482450022	TX	50.55	15.96	2.82		0.80
Metropolitan Houston-Galveston	STN483390078	TX	41.82	19.85	4.00		0.94
Corpus Christi-Victoria	STN483550034	TX	37.52	11.63	3.60		0.87
Southern Louisiana-Southeast Texas	STN483611100	TX	50.53	19.15	3.52		0.90
Wasatch Front	STN490353006	UT	11.82	24.19	8.41	32.15	0.95
State Capital	STN517600020	VA	56.83	29.36	5.44	12.01	0.46
Champlain Valley	STN500070012	VT	28.84	15.45	3.78	14.66	0.33
Puget Sound	STN530330032	WA	22.08	24.64	10.25	12.28	0.67
Puget Sound	STN530330080	WA	19.78	18.78	6.24	10.94	0.30
Southern Wisconsin	STN550270007	WI	29.61	9.02	3.02	31.92	0.31

Site Name	Site Code	State	(NH ₄) ₂ SO ₄	OMC	LAC	NH ₄ NO ₃	Soil
Southeastern Wisconsin	STN550790026	WI	32.71	17.16	5.55	32.40	0.53
Duluth-Superior	STN551198001	WI	24.68	8.08	2.31	18.71	0.31

NF = National Forest

NM = National Monument

NP = National Park

NWR = National Wildlife Refuge

WA = Wilderness Area