



2003-2007 5-Year Average Wet Deposition Estimates

*Values obtained at park centroid from interpolated data

**Interpolated values obtained by multiplying concentration depositions by normalized precipitation (PRISM 1971-2000 30-year average) and dividing by 10.

All other interpolated values created using NADP wet deposition interpolations (derived using NADP precipitation measurements).

kg/ha

ALPHA	PARK NAME	CLASS	STATE	REGION	kg/ha									
					Ca	Cl	K	Mg	Na	NH ₄	NO ₃	SO ₄	Total-N**	Total-S**
ABLI	Abraham Lincoln NHS	2	KY	Southeast	1.40	1.41	0.308	0.203	0.73	3.22	11.50	17.08	5.32	5.91
ACAD	Acadia NP	1	ME	Northeast	0.72	10.55	0.302	0.690	5.88	1.54	7.86	12.08	2.87	3.78
AGFO	Agate Fossil Beds NM	2	NE	Midwest	1.37	0.28	0.150	0.126	0.20	1.86	5.35	3.22	2.10	0.78
ALAG	Alagnak Wild River	2	AK	Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALFL	Alibates Flint Quarries NM	2	TX	Intermountain	1.51	0.43	0.187	0.109	0.26	2.63	4.58	4.02	3.61	1.68
ALPO	Allegheny Portage Railroad NHS	2	PA	Northeast	1.08	1.33	0.262	0.169	0.51	2.99	13.25	21.03	5.23	7.13
AMIS	Amistad NRA	2	TX	Intermountain	1.65	1.99	0.194	0.192	1.18	1.51	4.36	5.62	1.84	1.74
AMME	American Mem Park	2	CM	Pacific West	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANIA	Aniakchak Preserve NM & Pres	2	AK	Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTI	Antietam NB	2	MD	National Capital	1.04	1.81	0.322	0.200	0.81	3.16	11.67	19.20	4.58	5.84
APCO	Appomattox Court House NHP	2	VA	Northeast	0.81	2.32	0.286	0.198	1.14	2.62	10.57	17.22	4.25	5.32
APIS	Apostle Islands NL	2	WI	Midwest	1.29	0.33	0.149	0.178	0.17	2.93	7.36	6.54	4.70	2.68
ARCH	Arches NP	1	UT	Intermountain	1.39	0.21	0.075	0.131	0.16	0.69	2.94	1.73	1.08	0.57
ARPO	Arkansas Post NMem	2	AR	Midwest	1.47	3.15	0.686	0.312	1.86	3.16	9.77	12.48	4.94	4.41
ASIS	Assateague Island NS	2	MD	Northeast	0.89	12.48	0.510	0.834	6.82	2.72	9.79	15.96	4.50	5.41
AZRU	Aztec Ruins NM	2	NM	Intermountain	1.40	0.31	0.130	0.120	0.19	0.85	4.57	2.83	1.08	0.63
BADL	Badlands NP	1	SD	Midwest	1.07	0.20	0.134	0.099	0.14	1.99	4.30	2.68	2.98	1.03
BAND	Bandelier NM	1	NM	Intermountain	0.89	0.22	0.085	0.066	0.12	0.87	3.61	2.24	1.77	1.01
BELA	Bering Land Bridge NPres	2	AK	Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BEOL	Bents Old Fort NHS	2	CO	Intermountain	1.04	0.22	0.180	0.093	0.15	1.78	3.69	2.34	2.18	0.73
BIBE	Big Bend NP	1	TX	Intermountain	1.18	0.47	0.075	0.069	0.32	0.93	2.43	3.20	1.31	1.26
BICA	Bighorn Canyon NRA	2	MT	Intermountain	0.69	0.19	0.101	0.078	0.15	0.86	2.57	1.75	1.21	0.60
BICY	Big Cypress NPres	2	FL	Southeast	1.68	11.24	0.778	0.799	6.30	1.88	8.70	11.33	3.11	3.50
BIHO	Big Hole NB	2	MT	Pacific West	0.54	0.26	0.109	0.061	0.21	0.76	2.09	1.31	2.18	0.57
BISC	Biscayne NP	2	FL	Southeast	1.76	11.86	0.876	0.842	6.66	1.98	8.75	11.42	3.32	3.61
BISO	Big South Fork NR and NRA	2	TN	Southeast	1.38	1.73	0.341	0.264	0.81	2.85	11.19	18.51	5.13	6.62
BITH	Big Thicket NPres	2	TX	Intermountain	1.49	5.54	0.523	0.434	3.16	2.44	7.95	11.34	4.98	5.11
BLCA	Black Canyon of the Gunnison NP	1	IM	Intermountain	1.36	0.31	0.155	0.125	0.20	0.84	4.41	2.55	0.97	0.52
BLUE	Bluestone NSR	2	WV	Northeast	1.22	1.35	0.707	0.212	0.56	2.62	10.92	18.41	3.93	5.57
BOHA	Boston Harbor Islands NRA	2	MA	Northeast	0.80	6.95	0.284	0.469	3.83	1.97	10.49	15.01	3.71	5.00
BOWA	Booker T. Washington NM	2	VA	Northeast	1.02	1.96	0.588	0.218	0.93	2.78	10.32	17.23	4.16	5.13
BRCA	Bryce Canyon NP	1	UT	Intermountain	0.79	0.24	0.070	0.112	0.15	0.69	2.83	1.50	1.44	0.72
BUFF	Buffalo NR	2	AR	Midwest	1.66	1.33	0.376	0.202	0.81	2.94	8.40	9.39	5.13	3.91
BUIS	Buck Island Reef NM	2	VI	Southeast	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CABR	Cabrillo NM	2	CA	Pacific West	0.41	1.31	0.160	0.106	0.73	1.00	2.87	1.75	0.96	0.37
CACH	Canyon de Chelly NM	2	AZ	Intermountain	1.26	0.27	0.103	0.109	0.17	0.81	3.80	2.42	1.19	0.65

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ALPHA	PARK NAME	CLASS	STATE	REGION	kg/ha									
					Ca	Cl	K	Mg	Na	NH ₄	NO ₃	SO ₄	Total-N**	Total-S**
CACO	Cape Cod NS	2	MA	Northeast	0.81	8.37	0.308	0.571	4.66	1.97	10.35	14.59	3.49	4.56
CAGR	Casa Grande NM	2	AZ	Intermountain	0.68	0.48	0.082	0.075	0.28	0.77	2.62	1.82	1.13	0.63
CAHA	Cape Hatteras NS	2	NC	Southeast	0.96	11.10	0.414	0.740	6.12	2.54	8.79	14.20	4.58	5.21
CAKR	Cape Krusenstern NM	2	AK	Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CALO	Cape Lookout NS	2	CA	Southeast	1.10	16.34	0.464	1.064	9.08	2.07	8.04	13.20	3.86	4.79
CANA	Canaveral NS	2	FL	Southeast	1.42	15.89	0.545	1.068	8.85	1.34	8.37	11.99	3.12	4.88
CANY	Canyonlands NP	1	UT	Intermountain	1.24	0.21	0.072	0.127	0.15	0.68	2.96	1.67	0.88	0.46
CARE	Capitol Reef NP	1	UT	Intermountain	1.15	0.23	0.076	0.122	0.16	0.71	2.89	1.66	1.00	0.51
CARL	Carl Sandburg Home NHS	2	NC	Southeast	1.12	2.38	0.442	0.246	1.20	2.81	10.49	17.43	4.89	5.69
CASA	Castillo San Marcos NM	2	FL	Southeast	1.12	8.77	0.380	0.598	4.84	1.33	8.04	11.24	2.75	3.99
CATO	Catoctin Mountain Park	2	MD	National Capital	1.06	1.78	0.306	0.197	0.77	3.38	12.14	19.82	5.55	6.97
CAVE	Carlsbad Caverns NP	1	NM	Intermountain	1.88	0.49	0.110	0.150	0.32	1.55	4.27	4.39	1.90	1.64
CAVO	Capulin Mountain Volcano NM	2	NM	Intermountain	1.08	0.28	0.129	0.082	0.16	1.65	4.24	2.92	2.38	1.16
CEBR	Cedar Breaks NM	2	UT	Intermountain	0.84	0.27	0.078	0.112	0.18	0.73	2.85	1.54	2.57	1.24
CHAT	Chattahoochee River NRA	2	GA	Southeast	1.02	2.67	0.556	0.258	1.41	2.98	9.13	15.48	4.65	5.15
CHCH	Chickamauga and Chattanooga NMP	2	TN	Southeast	1.21	2.12	0.496	0.257	1.09	3.16	10.08	17.41	4.98	5.57
CHCU	Chaco Culture NHP	2	NM	Intermountain	1.26	0.29	0.120	0.105	0.18	0.89	4.22	2.67	0.90	0.51
CHIC	Chickasaw NRA	2	OK	Intermountain	2.34	1.50	0.702	0.215	0.80	2.63	7.95	8.16	4.96	3.66
CHIR	Chiricahua NM	1	AZ	Intermountain	0.75	0.36	0.101	0.065	0.22	1.02	3.38	2.23	2.49	1.29
CHIS	Channel Islands NP	2	CA	Pacific West	0.31	1.67	0.125	0.126	0.95	0.96	2.67	1.60	1.22	0.43
CHOH	Chesapeake and Ohio Canal NHP	2	MD	National Capital	0.97	1.40	0.236	0.159	0.62	2.65	10.83	18.07	3.84	5.32
CIRO	City of Rocks NR	2	ID	Pacific West	1.03	0.65	0.099	0.112	0.55	1.33	2.51	1.65	2.17	0.77
COLM	Colorado NM	2	CO	Intermountain	1.45	0.28	0.128	0.134	0.19	0.81	3.95	2.32	1.04	0.56
COLO	Colonial NHP	2	VA	Northeast	0.88	6.83	0.346	0.477	3.68	2.58	10.31	17.05	4.40	5.35
CORO	Coronado NMem	2	AZ	Intermountain	0.75	0.40	0.094	0.069	0.23	0.93	3.08	2.13	2.46	1.34
COSW	Congaree Swamp NM	2	SC	Southeast	1.00	7.66	0.473	0.536	4.13	1.99	8.40	13.86	3.53	4.85
COWP	Cowpens NB	2	SC	Southeast	1.07	3.50	0.493	0.307	1.80	2.85	10.00	16.78	4.69	5.46
CRLA	Crater Lake NP	1	OR	Pacific West	0.28	3.32	0.128	0.205	1.83	0.35	1.44	1.56	1.56	0.93
CRMO	Craters of the Moon NM	1	ID	Pacific West	0.54	0.27	0.064	0.055	0.24	0.87	1.80	1.11	1.08	0.36
CUGA	Cumberland Gap NHP	2	KY	Southeast	1.27	1.38	0.296	0.195	0.66	2.63	10.76	16.77	5.02	6.25
CUIS	Cumberland Island NS	2	GA	Southeast	0.95	9.30	0.398	0.619	5.08	1.31	7.50	10.69	2.89	4.11
CURE	Curecanti NRA	2	CO	Intermountain	1.32	0.32	0.159	0.121	0.20	0.88	4.63	2.68	1.47	0.77
CUVA	Cuyahoga Valley NP	2	OH	Midwest	1.63	1.14	0.255	0.265	0.45	3.75	13.75	20.86	5.73	7.14
DENA	Denali NP & Pres	1	AK	Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DEPO	Devils Postpile NM	2	CA	Pacific West	0.26	0.84	0.088	0.075	0.48	1.15	2.50	1.32	2.49	0.72
DETO	Devils Tower NM	2	WY	Intermountain	1.05	0.20	0.113	0.103	0.14	1.43	3.91	2.52	2.26	0.95
DEVA	Death Valley NP	2	NV	Pacific West	0.37	1.09	0.118	0.101	0.62	0.93	2.48	1.44	0.33	0.11
DEWA	Delaware Water Gap NRA	2	PA	Northeast	0.98	3.50	0.310	0.297	1.78	2.96	14.57	19.72	4.79	5.85
DINO	Dinosaur NM	2	CO	Intermountain	1.40	0.31	0.117	0.135	0.23	0.92	4.20	2.51	1.13	0.59
DRTO	Dry Tortugas NP	2	FL	Southeast	1.46	10.04	0.573	0.708	5.61	1.69	8.60	11.48	2.62	3.18
EBLA	Ebey's Landing NHR	2	WA	Pacific West	0.67	10.84	0.348	0.633	5.89	0.50	3.76	4.42	0.41	0.45
EFMO	Effigy Mounds NM	2	IA	Midwest	3.09	0.58	0.383	0.425	0.33	4.77	10.14	9.92	6.00	3.56
EISE	Eisenhower NHS	2	PA	Northeast	1.05	1.91	0.286	0.203	0.83	3.65	12.46	20.21	5.59	6.80
ELMA	El Malpais NM	2	NM	Intermountain	1.10	0.28	0.105	0.087	0.17	0.89	3.58	2.48	1.75	0.99
ELMO	El Morro NM	2	NM	Intermountain	1.14	0.28	0.104	0.091	0.17	0.88	3.61	2.46	1.79	0.98
EVER	Everglades NP	1	FL	Southeast	1.77	11.82	0.884	0.841	6.64	1.99	8.77	11.41	3.13	3.40
FIIS	Fire Island NS	2	NY	Northeast	1.18	21.30	0.599	1.451	12.04	2.23	11.56	18.00	4.13	5.64
FLFO	Florissant Fossil Beds NM	2	CO	Intermountain	1.09	0.25	0.139	0.105	0.15	1.28	5.07	2.80	2.20	0.96

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FOBO	Fort Bowie NHS	2	AZ	Intermountain	0.73	0.36	0.099	0.064	0.21	1.00	3.32	2.20	2.21	1.16
FOBU	Fossil Butte NM	2	WY	Intermountain	1.05	0.54	0.087	0.112	0.43	1.11	2.77	1.76	1.94	0.81
FOCA	Fort Caroline NMem	2	FL	Southeast	1.03	7.92	0.361	0.540	4.36	1.33	7.95	11.10	2.94	4.19
FODA	Fort Davis NHS	2	TX	Intermountain	1.52	0.62	0.112	0.117	0.39	1.32	3.60	3.96	1.60	1.37
FODO	Fort Donelson NC	2	TN	Southeast	1.39	1.88	0.286	0.227	1.05	2.91	10.50	14.82	5.27	5.51
FOFR	Fort Frederica NM	2	GA	Southeast	0.90	10.95	0.445	0.716	5.95	1.28	6.90	10.10	2.86	4.08
FOLA	Fort Laramie NHS	2	WY	Intermountain	1.49	0.32	0.156	0.143	0.25	1.74	5.89	3.51	1.72	0.68
FOLS	Fort Larned NHS	2	KS	Midwest	2.04	0.69	0.245	0.162	0.43	3.47	7.00	6.00	4.40	2.07
FOMA	Fort Matanzas NM	2	FL	Southeast	1.17	9.49	0.397	0.646	5.25	1.33	8.12	11.36	2.83	4.14
FONE	Fort Necessity NB	2	PA	Northeast	1.09	1.16	0.218	0.153	0.47	2.52	11.47	19.36	5.10	7.36
FOPO	Fort Point NHS	2	MD	Pacific West	0.24	2.19	0.159	0.201	1.19	1.35	2.08	1.45	2.45	0.69
FOPU	Fort Pulaski NM	2	GA	Southeast	0.93	11.05	0.490	0.721	5.94	1.57	7.34	11.24	3.20	4.30
FOSC	Fort Scott NHS	2	KS	Midwest	2.96	1.16	0.277	0.237	0.74	3.81	10.57	10.84	5.87	4.28
FOSU	Fort Sumter NM	2	SC	Southeast	1.13	16.23	0.519	1.055	8.76	1.55	7.81	13.32	3.03	4.49
FOUN	Fort Union NM	2	NM	Intermountain	1.07	0.27	0.116	0.083	0.17	1.25	4.01	2.72	2.12	1.11
FOUS	Fort Union Trading Post NHS	2	MT	Midwest	0.73	0.15	0.083	0.106	0.12	1.41	2.86	2.17	1.90	0.85
FOVA	Fort Vancouver NHS	2	WA	Pacific West	0.52	6.94	0.284	0.419	3.82	1.01	3.55	3.60	1.23	0.94
FRED	Fredericksburg NC	2	VA	Northeast	0.88	3.41	0.285	0.274	1.73	2.82	10.81	17.73	4.26	5.23
FRHI	Friendship Hill NHS	2	PA	Northeast	1.22	1.25	0.248	0.175	0.49	2.74	12.43	20.95	4.52	6.38
FRSP	Fredericksburg & Spotsylvania NMP	2	VA	Northeast	0.87	2.97	0.273	0.246	1.50	2.82	10.80	17.64	4.15	5.31
GAAR	Gates of the Arctic NP & Preserve	2	AK	Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GARI	Gauley River NRA	2	WV	Northeast	1.22	1.36	0.446	0.192	0.54	2.67	12.08	19.96	4.82	6.83
GATE	Gateway NRA	2	NY	Northeast	1.03	8.19	0.373	0.595	4.46	2.86	13.78	19.62	4.58	5.75
GETT	Gettysburg NMP	2	PA	Northeast	1.05	1.91	0.286	0.203	0.83	3.65	12.46	20.21	5.56	6.76
GEWA	George Washington Birthplace NM	2	VA	Northeast	0.88	4.90	0.313	0.364	2.56	2.78	10.76	17.73	4.33	5.23
GICL	Gila Cliff Dwellings NM	2	NM	Intermountain	0.80	0.28	0.109	0.063	0.16	0.76	2.87	2.23	1.81	1.26
GLAC	Glacier NP	1	MT	Intermountain	0.47	0.30	0.132	0.060	0.20	0.85	2.78	1.77	1.83	0.79
GLBA	Glacier Bay NP & Preserve	2	AK	Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GLCA	Glen Canyon NRA	2	CA	Intermountain	1.08	0.24	0.081	0.121	0.16	0.71	3.07	1.74	0.91	0.47
GOGA	Golden Gate NRA	2	CA	Pacific West	0.24	2.34	0.159	0.206	1.27	1.30	2.06	1.47	2.54	0.75
GOSP	Golden Spike NHS	2	UT	Intermountain	1.67	1.30	0.136	0.189	1.07	2.23	3.33	2.32	2.43	0.84
GRBA	Great Basin NP	2	NV	Pacific West	0.90	0.36	0.142	0.086	0.34	0.86	3.00	1.65	2.43	1.06
GRCA	Grand Canyon NP	1	AZ	Intermountain	0.79	0.31	0.069	0.122	0.19	0.69	2.91	1.61	1.05	0.54
GRKO	Grant-Kohrs Ranch NHS	2	MT	Intermountain	0.54	0.20	0.098	0.058	0.17	0.63	2.06	1.26	0.72	0.32
GRPO	Grand Portage NM	2	MN	Midwest	1.12	0.30	0.153	0.157	0.14	2.68	7.16	6.43	4.22	2.40
GRSA	Great Sand Dunes NP & Pres	1	CO	Intermountain	0.91	0.23	0.114	0.079	0.20	0.94	3.52	2.21	0.96	0.45
GRSM	Great Smoky Mountains NP	1	TN	Southeast	1.27	1.78	0.432	0.238	0.87	2.78	11.23	18.41	4.52	5.68
GRTE	Grand Teton NP	1	WY	Intermountain	0.77	0.29	0.116	0.082	0.24	0.82	2.49	1.59	2.55	1.17
GUCO	Guilford Courthouse NMP	2	NC	Southeast	0.88	3.17	0.524	0.266	1.62	3.28	9.54	15.90	4.63	5.48
GUIS	Gulf Islands NS	2	MS	Southeast	1.33	10.68	0.545	0.744	5.98	2.39	9.99	15.33	4.43	5.30
GUMO	Guadalupe Mountains NP	1	TX	Intermountain	1.92	0.49	0.110	0.154	0.33	1.56	4.30	4.45	1.63	1.42
GWCA	George Washington Carver NM	2	MO	Midwest	2.42	1.24	0.300	0.218	0.77	3.49	9.53	10.11	5.56	4.01
GWMP	George Washington Mem PKWY	2	MD	National Capital	0.94	2.86	0.308	0.257	1.38	2.85	11.08	18.18	4.70	5.68
HAFE	Harpers Ferry NHP	2	WV	National Capital	1.02	1.92	0.322	0.205	0.88	3.06	11.41	18.83	4.36	5.49
HAFO	Hagerman Fossil Beds NM	2	ID	Pacific West	0.57	0.33	0.078	0.061	0.31	0.92	1.88	1.20	0.97	0.33
HALE	Haleakala NP	1	HI	Pacific West	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HAVO	Hawaii Volcanoes NP	1	HI	Pacific West	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEHO	Herbert Hoover NHS	2	IA	Midwest	2.66	0.73	0.273	0.322	0.43	4.24	9.87	10.95	6.32	4.25

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HOBE	Horseshoe Bend NMP	2	AL	Southeast	1.01	3.90	0.585	0.327	2.15	2.91	8.60	14.25	4.78	4.89
HOCU	Hopewell Culture NHP	2	OH	Midwest	1.55	1.23	0.265	0.241	0.48	3.30	13.23	20.99	5.19	6.79
HOFR	Home of Franklin D. Roosevelt NHS	2	NY	Northeast	0.97	4.98	0.338	0.385	2.63	2.77	14.34	19.54	4.49	5.81
HOFU	Hopewell Furnace NHS	2	PA	Northeast	1.02	3.11	0.251	0.270	1.51	4.03	13.69	20.92	6.16	6.65
HOME	Homestead NM of America	2	NE	Midwest	2.68	0.68	0.255	0.214	0.44	4.51	8.98	8.25	6.07	3.05
HOSP	Hot Springs NP	2	AR	Midwest	1.49	2.38	0.590	0.262	1.42	2.81	9.32	11.62	5.39	4.79
HOVE	Hovenweep NM	2	CO	Intermountain	1.31	0.26	0.103	0.118	0.16	0.75	3.90	2.37	1.12	0.65
HUTR	Hubbel Trading Post NHS	2	AZ	Intermountain	1.26	0.26	0.096	0.102	0.16	0.85	3.49	2.34	1.47	0.76
INDU	Indiana Dunes NL	2	IN	Midwest	3.30	1.20	0.273	0.503	0.60	4.40	13.50	17.41	6.66	6.04
ISRO	Isle Royale NP	1	MI	Midwest	1.22	0.37	0.156	0.173	0.18	2.75	7.53	6.71	4.07	2.38
JECA	Jewel Cave NM	2	SD	Midwest	1.16	0.19	0.122	0.102	0.12	1.58	4.10	2.56	2.93	1.13
JELA	Jean Lafitte NPres	2	LA	Southeast	1.32	7.89	0.530	0.579	4.44	2.52	9.66	13.71	4.63	5.01
JODA	John Day Fossil Beds NM	2	OR	Pacific West	0.32	2.91	0.148	0.183	1.62	0.50	1.92	1.80	0.34	0.21
JOFL	Johnstown Flood NMem	2	PA	Northeast	1.07	1.28	0.250	0.164	0.50	2.89	12.82	20.57	5.70	7.98
JOMU	John Muir NHS	2	CA	Pacific West	0.24	2.05	0.183	0.219	1.10	1.71	2.26	1.49	2.51	0.62
JOTR	Joshua Tree NP	1	CA	Pacific West	0.42	0.75	0.220	0.068	0.38	1.01	2.52	1.64	0.63	0.24
KAHO	Kaloko-Honokohau NHP	2	HI	Pacific West	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KALA	Kalaupapa NHP	2	HI	Pacific West	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KATM	Katmai NP & Preserve	2	AK	Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KEFJ	Kenai Fjords NP	2	AK	Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KEMO	Kennesaw Mountain NBP	2	GA	Southeast	1.00	2.68	0.598	0.258	1.43	3.07	8.81	15.09	4.78	5.18
KIMO	Kings Mtn. NMP	2	SC	Southeast	1.02	4.12	0.541	0.338	2.13	2.97	9.71	16.53	4.71	5.56
KLGO	Klondike Gold Rush NHP	2	AK	Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KNRI	Knife River Indian Villages NHS	2	ND	Midwest	0.96	0.18	0.116	0.140	0.12	2.29	4.10	2.94	2.63	0.99
KOVA	Kobuk Valley NP	2	AK	Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LABE	Lava Beds NM	1	CA	Pacific West	0.20	1.32	0.072	0.092	0.72	0.38	1.26	0.94	0.44	0.18
LACL	Lake Clark NP & Preserve	2	AK	Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LAME	Lake Mead NRA	2	NV	Pacific West	0.67	0.63	0.112	0.102	0.37	0.83	2.74	1.61	0.59	0.25
LAMR	Lake Meredith NRA	2	TX	Intermountain	1.50	0.42	0.184	0.108	0.26	2.60	4.55	3.99	3.61	1.68
LARO	Lake Roosevelt NRA	2	WA	Pacific West	0.43	2.03	0.181	0.145	1.13	0.82	3.02	2.10	0.72	0.36
LAVO	Lassen Volcanic NP	1	CA	Pacific West	0.24	0.79	0.061	0.062	0.43	0.51	1.87	1.20	2.51	1.20
LEWI	Lewis and Clark NHP	2	OR	Pacific West	0.53	8.28	0.287	0.491	4.50	0.64	2.92	3.48	1.75	1.66
LIBI	Little Bighorn NM	2	MT	Intermountain	0.58	0.15	0.075	0.072	0.10	0.86	2.44	1.73	1.40	0.73
LIBO	Lincoln Boyhood NMem	2	IN	Midwest	1.89	1.66	0.295	0.269	0.86	3.74	12.33	19.41	5.52	6.36
LIRI	Little River Canyon NPres	2	AL	Southeast	1.11	2.30	0.622	0.249	1.25	3.56	9.08	16.67	5.94	6.14
LYJO	Lyndon B. Johnson NHP	2	TX	Intermountain	1.70	5.05	0.386	0.396	2.88	1.97	5.69	7.74	3.02	2.85
MABI	Marsh-Billings_Rockefeller NHP	2	VT	Northeast	0.79	1.99	0.200	0.185	1.04	2.26	11.25	14.03	4.04	4.64
MACA	Mammoth Cave NP	1	KY	Southeast	1.33	1.42	0.315	0.197	0.75	3.11	11.27	16.45	5.23	5.27
MANA	Manassas NBP	2	VA	National Capital	0.93	2.67	0.290	0.238	1.30	2.89	10.96	18.04	4.19	5.10
MANZ	Manzanar NHS	2	CA	Pacific West	0.31	1.08	0.104	0.096	0.61	0.95	2.33	1.34	0.44	0.13
MEVE	Mesa Verde NP	1	CO	Intermountain	1.35	0.28	0.119	0.117	0.17	0.78	4.30	2.64	1.75	1.05
MIMA	Minute Man NHP	2	MA	Northeast	0.79	6.20	0.268	0.423	3.41	2.02	10.78	15.07	3.80	5.09
MISS	Mississippi NRA	2	MN	Midwest	2.11	0.41	0.207	0.297	0.22	4.03	8.40	7.36	5.42	2.73
MNRR	Missouri NRR	2	NE	Midwest	1.99	0.42	0.222	0.210	0.25	4.39	7.49	6.29	5.19	2.21
MOCA	Montezuma Castle NM	2	AZ	Intermountain	0.89	0.34	0.083	0.097	0.20	0.77	2.89	1.87	1.76	0.91
MOCR	Moores Creek NB	2	NC	Southeast	0.94	9.49	0.413	0.630	5.19	3.34	8.17	13.51	4.96	5.08
MOJA	Mojave NPres	2	CA	Pacific West	0.48	0.88	0.160	0.089	0.48	0.93	2.66	1.62	0.67	0.26
MONO	Monocacy NB	2	MD	National Capital	1.02	2.11	0.325	0.219	0.96	3.16	11.60	19.04	5.08	6.18

2003-2007 5-Year Average Wet Deposition Estimates

ALPHA	PARK NAME	CLASS	STATE	REGION	kg/ha									
					Ca	Cl	K	Mg	Na	NH ₄	NO ₃	SO ₄	Total-N**	Total-S**
MORA	Mount Rainier NP	1	WA	Pacific West	0.46	4.79	0.223	0.277	2.51	0.48	3.06	2.90	2.94	2.87
MORR	Morristown NHP	2	NJ	Northeast	1.00	5.13	0.314	0.399	2.70	3.00	14.46	20.13	5.58	6.89
MORU	Mount Rushmore NMem	2	SD	Midwest	1.17	0.20	0.126	0.102	0.12	1.68	4.17	2.59	3.26	1.22
MUWO	Muir Woods NM	2	CA	Pacific West	0.24	2.29	0.163	0.209	1.24	1.38	2.10	1.48	3.21	0.91
NABR	Natural Bridges NM	2	UT	Intermountain	1.26	0.24	0.089	0.125	0.16	0.72	3.33	1.95	1.21	0.64
NACE	Anacostia Park	2	DC	National Capital	0.93	3.17	0.304	0.272	1.54	2.86	11.14	18.26	4.78	5.81
NAVA	Navajo NM	2	AZ	Intermountain	1.14	0.26	0.089	0.119	0.17	0.75	3.40	2.03	1.24	0.65
NEPE	Nez Perce NHP	2	MT	Pacific West	0.34	0.68	0.117	0.069	0.41	0.72	2.06	1.42	1.35	0.60
NERI	New River Gorge NR	2	WV	Northeast	1.23	1.35	0.590	0.204	0.55	2.65	11.41	19.07	4.59	6.54
NIOB	Niobrara NSR	2	NE	Midwest	1.30	0.27	0.166	0.128	0.18	3.14	5.46	3.83	4.22	1.51
NISI	Ninety Six NHS	2	SC	Southeast	1.04	6.28	0.491	0.463	3.35	2.42	9.17	15.23	3.70	4.61
NOAT	Noatak NPres	2	AK	Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NOCA	North Cascades NP	1	WA	Pacific West	0.55	5.05	0.246	0.295	2.75	0.56	4.78	3.72	2.11	1.79
NPSA	The National Park of American Samoa	2	AS	Pacific West	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OBRI	Obed Wild and Scenic River	2	TN	Southeast	1.42	1.99	0.381	0.313	0.90	2.86	11.31	19.51	5.50	7.27
OCMU	Ocmulgee NM	2	GA	Southeast	0.87	4.13	0.567	0.321	2.25	2.58	7.83	12.30	3.62	3.89
OLYM	Olympic NP	1	WA	Pacific West	0.94	21.50	0.547	1.254	11.72	0.41	3.01	6.23	1.89	3.52
ORCA	Oregon Caves NM	2	OR	Pacific West	0.23	2.52	0.103	0.163	1.38	0.38	1.31	1.22	1.58	0.68
ORPI	Organ Pipe Cactus NM	2	AZ	Intermountain	0.48	0.82	0.060	0.077	0.48	0.58	1.91	1.32	1.06	0.58
OZAR	Ozark NSR	2	MO	Midwest	1.75	1.55	0.500	0.275	0.93	3.00	9.68	12.06	4.76	4.47
PAAL	Palo Alto Battlefield NHS	2	TX	Intermountain	1.74	12.54	0.641	0.887	7.03	2.11	5.60	9.07	2.53	2.60
PAIS	Padre Island NS	2	TX	Intermountain	1.83	16.84	0.761	1.170	9.41	2.11	5.26	9.38	2.67	2.85
PECO	Pecos NHP	2	NM	Intermountain	0.97	0.24	0.095	0.072	0.14	1.01	3.72	2.45	1.86	1.05
PEFO	Petrified Forest NP	1	AZ	Intermountain	1.35	0.24	0.090	0.095	0.14	0.90	3.26	2.35	1.56	0.73
PERI	Pea Ridge NMP	2	AR	Midwest	1.89	1.26	0.276	0.190	0.77	3.25	8.44	9.26	5.38	3.82
PETE	Petersburg NB	2	VA	Northeast	0.80	3.97	0.287	0.295	2.07	2.64	10.13	16.51	4.23	5.21
PETR	Petroglyph NM	2	NM	Intermountain	1.02	0.26	0.097	0.077	0.15	0.93	3.73	2.49	1.06	0.63
PINN	Pinnacles NM	1	CA	Pacific West	0.14	1.29	0.057	0.087	0.72	0.34	0.99	0.79	0.63	0.35
PIPE	Pipestone NM	2	MN	Midwest	1.88	0.36	0.220	0.232	0.20	4.49	7.30	6.01	5.25	2.17
PIRO	Pictured Rocks NL	2	MI	Midwest	1.29	0.41	0.154	0.187	0.19	2.85	9.24	8.63	4.46	3.21
PISP	Pipe Spring NM	2	AZ	Intermountain	0.82	0.29	0.074	0.117	0.18	0.71	2.90	1.60	1.17	0.59
PORE	Point Reyes NS	1	CA	Pacific West	0.25	2.64	0.159	0.217	1.44	1.21	2.04	1.53	2.22	0.74
PRWI	Prince William Forest Park	2	VA	National Capital	0.90	3.19	0.290	0.267	1.59	2.84	10.88	17.87	4.20	5.05
PUHO	Pu`uhonua o Honaunau NHP	2	HI	Pacific West	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RABR	Rainbow Bridge NM	2	UT	Intermountain	1.08	0.25	0.085	0.121	0.16	0.73	3.23	1.86	0.82	0.42
REDW	Redwood NP	1	CA	Pacific West	0.25	2.74	0.112	0.179	1.51	0.48	1.49	1.35	2.45	1.09
RICH	Richmond NBP	2	VA	Northeast	0.84	4.76	0.303	0.348	2.51	2.64	10.42	17.09	4.19	5.20
ROCR	Rock Creek Park	2	DC	National Capital	0.93	3.06	0.306	0.267	1.49	2.84	11.07	18.15	4.70	5.68
ROMO	Rocky Mountain NP	1	CO	Intermountain	1.47	0.32	0.164	0.133	0.22	1.62	6.03	3.32	3.89	1.61
RUCA	Russell Cave NM	2	AL	Southeast	1.20	2.12	0.522	0.251	1.12	3.32	9.86	17.06	5.99	6.55
SAAN	San Antonio Missions NHP	2	TX	Intermountain	1.64	6.92	0.467	0.514	3.93	2.07	5.67	8.16	2.80	2.71
SACN	Saint Croix NSR	2	MN	Midwest	1.84	0.37	0.177	0.255	0.20	3.58	7.84	6.75	4.98	2.58
SAGA	Saint-Gaudens NHS	2	NH	Northeast	0.79	2.21	0.204	0.198	1.16	2.24	11.26	14.13	3.44	4.04
SAGU	Saguaro NP	1	AZ	Intermountain	0.69	0.39	0.089	0.067	0.23	0.87	2.88	2.02	2.09	1.19
SAHI	Sagamore Hill NHS	2	NY	Northeast	1.07	11.77	0.458	0.828	6.53	2.61	13.24	19.03	4.57	5.99
SAIR	Saugus Iron Works NHS	2	MA	Northeast	0.79	6.68	0.279	0.451	3.68	1.97	10.48	14.96	3.62	4.91
SAJH	San Juan Island NHP	2	WA	Pacific West	0.73	13.29	0.393	0.776	7.24	0.49	3.57	4.82	0.49	0.55
SAMO	Santa Monica Mountains NRA	2	CA	Pacific West	0.34	2.11	0.135	0.151	1.21	1.08	3.30	1.90	2.15	0.75

2003-2007 5-Year Average Wet Deposition Estimates

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					Ca	Cl	K	Mg	Na	NH ₄	NO ₃	SO ₄	Total-N**	Total-S**
SAPU	Salinas Pueblo Missions NM	2	NM	Intermountain	1.21	0.32	0.106	0.090	0.20	1.11	3.83	2.96	1.73	1.12
SARA	Saratoga NHP	2	NY	Northeast	0.95	1.81	0.237	0.201	0.93	2.51	12.57	15.72	3.87	4.51
SCBL	Scotts Bluff NM	2	NE	Midwest	1.39	0.30	0.156	0.131	0.22	1.95	5.73	3.38	2.15	0.79
SEKI	Sequoia / Kings Canyon NP	1	CA	Pacific West	0.29	1.08	0.100	0.094	0.61	0.98	2.31	1.32	2.39	0.68
SHEN	Shenandoah NP	1	VA	Northeast	0.89	2.07	0.259	0.191	1.01	2.84	10.85	17.74	4.49	5.96
SHIL	Shiloh NMP	2	TN	Southeast	1.34	2.20	0.392	0.245	1.27	2.73	9.92	12.90	5.31	5.18
SITK	Sitka NHP	2	AK	Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SLBE	Sleeping Bear Dunes NL	2	MI	Midwest	1.75	0.66	0.171	0.263	0.33	3.66	12.24	11.43	5.73	4.22
STRI	Stones River NB	2	TN	Southeast	1.33	1.86	0.384	0.239	0.98	3.08	10.73	16.74	5.32	5.90
SUCR	Sunset Crater NM	2	AZ	Intermountain	0.93	0.28	0.074	0.111	0.17	0.74	2.98	1.82	2.11	1.10
TAPR	Tallgrass Prairie NPres	2	KS	Midwest	2.95	0.90	0.252	0.227	0.57	3.84	9.65	9.07	5.46	3.33
THRO	Theodore Roosevelt NP	1	ND	Midwest	0.96	0.16	0.091	0.140	0.14	1.70	3.42	2.54	2.22	0.90
THST	Thomas Stone NHS	2	MD	Northeast	0.90	3.77	0.301	0.302	1.90	2.80	10.88	17.87	4.48	5.34
TICA	Timpanogos Cave NM	2	UT	Intermountain	1.24	0.61	0.093	0.130	0.49	1.22	2.81	1.79	3.33	1.39
TIMU	Timucuan Ecological and Historical Prese	2	FL	Southeast	1.01	8.15	0.368	0.553	4.48	1.33	7.89	11.06	2.93	4.17
TONT	Tonto NM	2	AZ	Intermountain	0.81	0.35	0.086	0.077	0.20	0.80	2.82	1.96	2.15	1.18
TUMA	Tumacacori NM	2	AZ	Intermountain	0.69	0.48	0.086	0.072	0.28	0.83	2.76	1.93	2.13	1.19
TUZI	Tuzigoot NM	2	AZ	Intermountain	0.86	0.35	0.082	0.101	0.20	0.75	2.87	1.81	1.80	0.93
UPDE	Upper Delaware Scenic and Recreational R	2	DE	Northeast	0.96	2.58	0.276	0.237	1.28	2.97	14.65	19.79	4.38	5.46
VAFO	Valley Forge NHP	2	PA	Northeast	1.01	3.74	0.254	0.309	1.87	3.71	13.84	20.81	5.70	6.38
VAMA	Vanderbilt Mansion NHS	2	NY	Northeast	0.96	4.95	0.327	0.382	2.62	2.75	14.21	19.36	4.49	5.80
VICK	Vicksburg NC	2	MS	Southeast	1.30	4.33	0.423	0.357	2.51	2.61	9.34	12.54	4.51	4.45
VIIS	Virgin Islands NP	1	VI	Southeast	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOYA	Voyageurs NP	1	MN	Midwest	1.11	0.25	0.127	0.163	0.12	2.58	6.50	5.00	3.41	1.63
WABA	Washita Battlefield NHS	2	OK	Intermountain	1.97	0.85	0.331	0.158	0.50	2.86	6.43	6.02	3.76	2.07
WACA	Walnut Canyon NM	2	AZ	Intermountain	0.95	0.28	0.076	0.107	0.17	0.75	2.98	1.86	2.35	1.21
WAPA	War in the Pacific NHP	2	GU	Pacific West	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WEFA	Weir Farm NHS	2	CT	Northeast	1.05	10.66	0.450	0.756	5.89	2.56	13.39	18.92	4.86	6.41
WHIS	Whiskeytown NRA	2	CA	Pacific West	0.23	1.57	0.083	0.111	0.86	0.53	1.65	1.19	2.39	1.06
WHMI	Whitman Mission NHS	2	WA	Pacific West	0.30	1.40	0.130	0.101	0.79	0.59	2.03	1.55	0.55	0.30
WHS	White Sands NM	2	NM	Intermountain	1.34	0.37	0.099	0.097	0.22	1.22	3.92	3.32	0.97	0.73
WICA	Wind Cave NP	1	SD	Midwest	1.21	0.20	0.129	0.104	0.12	1.71	4.25	2.60	3.07	1.12
WICR	Wilson's Creek NB	2	MO	Midwest	2.10	1.30	0.362	0.228	0.80	3.24	9.27	10.29	5.25	3.98
WOTR	Wolf Trap Farm Park	2	VA	National Capital	0.94	2.79	0.304	0.251	1.35	2.85	11.04	18.13	4.55	5.52
WRST	Wrangell-St Elias NP & Pres	2	AK	Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WUPA	Wupatki NM	2	AZ	Intermountain	0.92	0.28	0.073	0.115	0.17	0.73	3.02	1.82	0.94	0.50
YELL	Yellowstone NP	1	WY	Intermountain	0.75	0.29	0.192	0.078	0.23	0.78	2.23	1.42	2.28	0.97
YOSE	Yosemite NP	1	CA	Pacific West	0.28	0.83	0.090	0.074	0.47	1.30	2.80	1.44	2.80	0.82
YUCH	Yukon-Charley Rivers NPres	2	AK	Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YUHO	Yucca House NM	2	CO	Intermountain	1.33	0.27	0.108	0.115	0.16	0.76	4.12	2.53	1.34	0.79
ZION	Zion NP	1	UT	Intermountain	0.85	0.30	0.080	0.113	0.20	0.74	2.87	1.58	1.64	0.80