



2005-2009 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.

ALPHA	PARK NAME	CLASS	STATE	REGION	kg/ha				
					NH ₄	NO ₃	SO ₄	Total-N	Total-S
ABLI	Abraham Lincoln Birthplace NHS	2	KY	Southeast	3.4	11.0	17.3	5.0	5.8
ACAD	Acadia NP	1	ME	Northeast	1.4	6.6	10.6	2.5	3.7
ADAM	Adams NHS	2	MA	Northeast	1.9	9.3	13.5	3.7	4.7
AFBG	African Burial Ground NM	2	NY	Northeast	2.5	11.4	16.0	4.5	5.2
AGFO	Agate Fossil Beds NM	2	NE	Midwest	1.6	3.9	2.4	2.0	0.7
ALAG	Alagnak Wild River	2	AK	Alaska	NA	NA	NA	NA	NA
ALFL	Alibates Flint Quarries NM	2	TX	Intermountain	2.7	4.4	3.9	3.2	1.3
ALPO	Allegheny Portage Railroad NHS	2	PA	Northeast	2.9	12.2	18.6	4.9	6.1
AMIS	Amistad NRA	2	TX	Intermountain	1.2	3.3	4.2	1.8	1.5
ANDE	Andersonville NHS	2	GA	Southeast	2.2	7.0	10.5	3.3	3.5
ANIA	Aniakchak Preserve NM & Pres	2	AK	Alaska	NA	NA	NA	NA	NA
ANIA	Aniakchak Preserve NM & Pres	2	AK	Alaska	NA	NA	NA	NA	NA
ANJO	Andrew Johnson NHS	2	TN	Southeast	2.2	7.7	12.7	3.4	4.2
ANTI	Antietam NB	2	MD	National Capital	2.8	9.8	15.4	4.4	5.1
APCO	Appomattox Court House NHP	2	VA	Northeast	2.4	9.1	13.7	4.0	4.6
APIS	Apostle Islands NL	2	WI	Midwest	3.4	8.0	7.4	4.4	2.5
ARCH	Arches NP	1	UT	Intermountain	0.7	2.7	1.9	1.0	0.5
ARHO	Arlington House Robert E. Lee	2	VA	National Capital	2.7	10.4	16.4	4.4	5.4
ARPO	Arkansas Post NMem	2	AR	Midwest	3.3	9.0	11.9	4.6	4.0
ASIS	Assateague Island NS	2	MD	Northeast	2.4	9.1	15.2	3.9	5.0
AZRU	Aztec Ruins NM	2	NM	Intermountain	0.5	2.6	1.7	0.9	0.5
BADL	Badlands NP	1	SD	Midwest	2.1	4.4	2.8	2.7	0.9
BAND	Bandelier NM	1	NM	Intermountain	1.1	4.2	2.7	2.7	1.3
BELA	Bering Land Bridge NPres	2	AK	Alaska	NA	NA	NA	NA	NA
BEOL	Bents Old Fort NHS	2	CO	Intermountain	1.6	3.1	2.1	2.1	0.8
BIBE	Big Bend NP	1	TX	Intermountain	0.8	2.0	2.4	1.1	0.8
BICA	Bighorn Canyon NRA	2	MT	Intermountain	1.0	2.5	1.9	0.7	0.3
BICY	Big Cypress NPres	2	FL	Southeast	1.7	8.4	10.4	3.2	3.5
BIHO	Big Hole NB	2	MT	Pacific West	0.4	1.5	1.1	0.9	0.5
BISC	Biscayne NP	2	FL	Southeast	1.7	8.3	10.3	3.3	3.5
BISO	Big South Fork NR and NRA	2	TN	Southeast	3.2	11.4	19.0	5.0	6.3
BITH	Big Thicket NPres	2	TX	Intermountain	3.2	10.1	14.7	4.9	5.0
BLCA	Black Canyon of the Gunnison NP	1	CO	Intermountain	0.4	2.0	1.2	1.0	0.5
BLRI	Blue Ridge Parkway	2	VA	Southeast	3.3	10.7	17.1	4.8	5.6
BLUE	Bluestone NSR	2	WV	Northeast	2.3	9.1	14.7	3.9	5.0
BOAF	Boston African American NHS	2	MA	Northeast	1.9	9.2	13.3	3.7	4.7
BOHA	Boston Harbor Islands NRA	2	MA	Northeast	1.8	8.9	13.0	3.7	4.7
BOST	Boston NHP	2	MA	Northeast	1.9	9.2	13.3	3.6	4.6
BOWA	Booker T. Washington NM	2	VA	Northeast	2.5	8.9	13.7	3.9	4.5
BRCA	Bryce Canyon NP	1	UT	Intermountain	1.1	3.9	2.1	1.7	0.7
BRCR	Brices Cross Roads NBS	2	MS	Southeast	3.0	10.3	13.5	4.7	4.5
BRVB	Brown V Board of Education NHS	2	KS	Midwest	4.2	9.5	9.4	5.4	3.1
BUFF	Buffalo NR	2	AR	Midwest	3.4	9.5	11.0	4.5	3.5
BUIS	Buck Island Reef NM	2	VI	Southeast	NA	NA	NA	NA	NA
CABR	Cabrillo NM	2	CA	Pacific West	0.6	1.7	0.9	0.8	0.3
CACH	Canyon de Chelly NM	2	AZ	Intermountain	0.7	3.0	2.0	1.2	0.6
CACL	Castle Clinton NM	2	NY	Northeast	2.5	11.4	15.9	4.5	5.2
CACO	Cape Cod NS	2	MA	Northeast	1.4	7.3	11.7	2.5	3.8
CAGR	Casa Grande NM	2	AZ	Intermountain	0.7	2.5	1.7	1.1	0.6
CAHA	Cape Hatteras NS	2	NC	Southeast	2.9	9.3	15.0	4.4	5.1
CAKR	Cape Krusenstern NM	2	AK	Alaska	NA	NA	NA	NA	NA

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ALPHA	PARK NAME	CLASS	STATE	REGION	kg/ha				
					NH ₄	NO ₃	SO ₄	Total-N	Total-S
CALO	Cape Lookout NS	2	NC	Southeast	2.4	8.4	13.8	3.3	4.4
CANA	Canaveral NS	2	FL	Southeast	2.0	9.9	13.7	3.5	4.4
CANY	Canyonlands NP	1	UT	Intermountain	0.5	2.1	1.4	0.9	0.5
CARE	Capitol Reef NP	1	UT	Intermountain	0.6	2.3	1.4	1.1	0.5
CARI	Cane River Creole NHP	2	LA	Southeast	3.1	9.8	14.3	4.7	4.7
CARL	Carl Sandburg Home NHS	2	NC	Southeast	2.2	7.1	12.6	3.4	4.4
CASA	Castillo San Marcos NM	2	FL	Southeast	1.5	8.2	11.3	3.1	3.8
CATO	Catoctin Mountain Park	2	MD	National Capital	3.5	12.0	18.9	4.6	5.4
CAVE	Carlsbad Caverns NP	1	NM	Intermountain	1.3	3.5	3.4	1.5	1.0
CAVO	Capulin Mountain Volcano NM	2	NM	Intermountain	1.6	4.0	2.7	2.3	1.0
CAWO	Carter G. Woodson NHS	2	DC	National Capital	2.7	10.4	16.4	4.5	5.6
CEBE	Cedar Creek & Belle Grove NHP	2	VA	Northeast	2.3	8.3	13.2	3.6	4.2
CEBR	Cedar Breaks NM	2	UT	Intermountain	1.8	6.0	3.3	3.2	1.3
CHAM	Chamizal NMem	2	TX	Intermountain	0.6	1.9	1.6	0.9	0.5
CHAT	Chattahoochee River NRA	2	GA	Southeast	3.1	8.5	14.9	4.3	4.9
CHCH	Chickamauga and Chattanooga NMP	2	TN	Southeast	3.7	10.3	18.3	5.2	6.1
CHCU	Chaco Culture NHP	2	NM	Intermountain	0.5	2.2	1.5	0.8	0.5
CHIC	Chickasaw NRA	2	OK	Intermountain	3.6	9.7	10.1	5.0	3.4
CHIR	Chiricahua NM	1	AZ	Intermountain	2.0	6.2	4.1	2.3	1.0
CHIS	Channel Islands NP	2	CA	Pacific West	0.7	1.8	1.0	0.9	0.3
CHOH	Chesapeake and Ohio Canal NHP	2	MD	National Capital	2.8	10.0	15.7	4.5	5.3
CHPI	Charles Pickney NHS	2	SC	Southeast	1.6	7.3	12.5	2.7	4.2
CHRI	Christiansted NHS	2	VI	Southwest	NA	NA	NA	NA	NA
CHSC	Little Rock Central High School NHS	2	AR	Midwest	2.9	8.8	11.3	4.3	3.7
CIRO	City of Rocks NR	2	ID	Pacific West	2.4	4.8	3.4	2.2	0.8
CLBA	Clara Barton NHS	2	MD	Northeast	2.7	10.0	15.8	4.5	5.6
COLM	Colorado NM	2	CO	Intermountain	0.6	2.5	1.6	0.8	0.4
COLO	Colonial NHP	2	VA	Northeast	2.7	9.9	15.7	4.3	5.3
CORO	Coronado NMem	2	AZ	Intermountain	1.4	4.6	3.1	2.9	1.4
COSW	Congaree Swamp NM	2	SC	Southeast	2.2	8.0	13.6	3.5	4.6
COWP	Cowpens NB	2	SC	Southeast	2.5	8.0	13.9	3.7	4.6
CRLA	Crater Lake NP	1	OR	Pacific West	1.0	3.4	2.8	1.8	1.0
CRMO	Craters of the Moon NM	1	ID	Pacific West	0.7	1.5	1.1	1.0	0.4
CUGA	Cumberland Gap NHP	2	KY	Southeast	3.0	10.9	17.4	5.4	6.4
CUIS	Cumberland Island NS	2	GA	Southeast	1.5	7.6	11.1	2.9	3.7
CURE	Curecanti NRA	2	CO	Intermountain	0.5	2.6	1.6	1.1	0.6
CUVA	Cuyahoga Valley NP	2	OH	Midwest	3.6	11.7	17.5	5.4	5.9
DAAV	Dayton Aviation Heritage NHP	2	OH	Midwest	3.2	10.9	16.6	4.9	5.5
DENA	Denali NP & Pres	1	AK	Alaska	NA	NA	NA	NA	NA
DENA	Denali NP & Pres	1	AK	Alaska	NA	NA	NA	NA	NA
DEPO	Devils Postpile NM	2	CA	Pacific West	1.9	3.8	2.3	2.0	0.6
DESO	De Soto NMem	2	FL	Southeast	1.6	8.4	10.2	3.1	3.3
DETO	Devils Tower NM	2	WY	Intermountain	1.7	4.1	2.8	2.3	0.9
DEVA	Death Valley NP	2	CA	Pacific West	0.2	0.5	0.3	0.5	0.2
DEWA	Delaware Water Gap NRA	2	PA	Northeast	2.5	11.7	15.4	4.4	4.8
DINO	Dinosaur NM	2	CO	Intermountain	0.5	2.0	1.2	0.8	0.4
DRTO	Dry Tortugas NP	2	FL	Southeast	1.4	7.3	9.4	2.8	3.1
EBLA	Ebey's Landing NHR	2	WA	Pacific West	0.2	1.1	1.3	0.4	0.4
EDAL	Edgar Allan Poe NHS	2	PA	Northeast	3.2	11.8	17.9	5.1	6.0
EDIS	Edison NHS	2	NJ	Northeast	2.8	12.6	17.5	4.9	5.7
EFMO	Effigy Mounds NM	2	IA	Midwest	4.7	9.7	9.7	6.0	3.3
EISE	Eisenhower NHS	2	PA	Northeast	3.6	11.9	18.7	5.5	6.3
ELMA	El Malpais NM	2	NM	Intermountain	0.9	3.3	2.3	1.4	0.8
ELMO	El Morro NM	2	NM	Intermountain	1.2	4.7	3.2	1.7	0.9
ELRO	Eleanor Roosevelt NHS	2	NY	Northeast	2.3	10.9	14.3	4.2	4.7
EUON	Eugene O'Neill NHS	2	CA	Pacific West	2.3	2.7	1.8	2.5	0.6
EVER	Everglades NP	1	FL	Southeast	1.7	8.0	9.8	3.1	3.2
FEHA	Federal Hall NM	2	NY	Northeast	2.5	11.4	16.0	4.5	5.2
FIIS	Fire Island NS	2	NY	Northeast	2.2	10.4	16.5	3.8	5.3
FILA	First Ladies NHS	2	OH	Midwest	3.4	11.4	17.7	5.2	6.0
FLFO	Florissant Fossil Beds NM	2	CO	Intermountain	1.1	4.2	2.4	1.9	0.9
FLNI	Flight 93 NM	2	PA	Northeast	2.5	10.5	16.8	4.0	5.4

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FOBO	Fort Bowie NHS	2	AZ	Intermountain	0.9	2.9	2.0	1.9	0.9
FOBU	Fossil Butte NM	2	WY	Intermountain	1.5	3.9	2.6	1.7	0.7
FOCA	Fort Caroline NMem	2	FL	Southeast	1.5	8.0	11.1	3.0	3.7
FODA	Fort Davis NHS	2	TX	Intermountain	1.4	3.6	3.8	1.8	1.2
FODO	Fort Donelson NC	2	TN	Southeast	3.2	10.8	15.2	4.9	5.0
FOFR	Fort Frederica NM	2	GA	Southeast	1.6	7.4	11.2	2.8	3.8
FOLA	Fort Laramie NHS	2	WY	Intermountain	1.1	3.1	1.9	1.7	0.6
FOLS	Fort Larned NHS	2	KS	Midwest	3.6	6.3	5.5	4.2	1.9
FOMA	Fort Matanzas NM	2	FL	Southeast	1.6	8.5	11.7	3.2	3.9
FOMC	Fort McHenry NM & Hist Shrine	2	MD	Northeast	3.2	10.9	17.2	4.7	5.7
FONE	Fort Necessity NB	2	PA	Northeast	3.0	12.6	20.5	4.8	6.4
FOPO	Fort Point NHS	2	CA	Pacific West	2.1	2.6	1.7	2.7	0.7
FOPU	Fort Pulaski NM	2	GA	Southeast	1.8	7.5	11.5	3.1	4.0
FORA	Fort Raleigh NHS	2	NC	Southeast	3.0	9.4	15.1	4.4	5.2
FOSC	Fort Scott NHS	2	KS	Midwest	4.1	10.5	11.1	5.5	3.7
FOSM	Fort Smith NHS	2	AR	Midwest	3.6	9.2	10.7	5.0	3.6
FOST	Fort Stanwix NM	2	NY	Northeast	2.8	11.5	14.3	4.7	4.7
FOSU	Fort Sumter NM	2	SC	Southeast	1.7	7.5	12.8	2.8	4.3
FOTH	Ford's Theater NHS	2	DC	National Capital	2.7	10.4	16.4	4.5	5.6
FOUN	Fort Union NM	2	NM	Intermountain	1.4	4.1	2.9	2.1	1.0
FOUS	Fort Union Trading Post NHS	2	MT	Midwest	1.5	3.1	2.4	1.9	0.8
FOVA	Fort Vancouver NHS	2	WA	Pacific West	0.8	2.5	2.5	1.2	0.8
FOWA	Fort Washington Park	2	MD	National Capital	2.6	10.1	15.9	4.3	5.4
FRDO	Frederick Douglas NHS	2	DC	National Capital	2.7	10.4	16.4	4.4	5.4
FRHI	Friendship Hill NHS	2	PA	Northeast	2.5	10.5	17.3	4.2	5.6
FRLA	Frederick Law Olmsted NHS	2	MA	Northeast	1.9	9.2	13.3	3.7	4.7
FRSP	Fredericksburg & Spotsylvania NMP	2	VA	Northeast	2.6	9.4	14.7	4.2	5.0
GAAR	Gates of the Arctic NP & Preserve	2	AK	Alaska	NA	NA	NA	NA	NA
GAAR	Gates of the Arctic NP & Preserve	2	AK	Alaska	NA	NA	NA	NA	NA
GARI	Gauley River NRA	2	WV	Northeast	2.5	10.4	16.8	4.3	5.6
GATE	Gateway NRA	2	NY	Northeast	2.5	11.1	15.8	4.4	5.2
GEGR	General Grant NM	2	NY	Northeast	2.5	11.5	16.0	4.5	5.2
GERO	George Rogers Clark NHP	2	IN	Midwest	3.9	11.1	17.5	5.7	6.1
GETT	Gettysburg NMP	2	PA	Northeast	3.5	11.3	17.7	5.5	6.3
GEWA	George Washington Birthplace NM	2	VA	Northeast	2.6	9.9	15.7	4.3	5.4
GICL	Gila Cliff Dwellings NM	2	NM	Intermountain	1.1	4.2	3.1	1.4	0.8
GLAC	Glacier NP	1	MT	Intermountain	1.0	3.2	2.2	1.6	0.8
GLBA	Glacier Bay NP & Preserve	2	AK	Alaska	NA	NA	NA	NA	NA
GLBA	Glacier Bay NP & Preserve	2	AK	Alaska	NA	NA	NA	NA	NA
GLCA	Glen Canyon NRA	2	UT	Intermountain	0.6	2.2	1.3	0.9	0.4
GOGA	Golden Gate NRA	2	CA	Pacific West	2.8	3.6	2.5	2.7	0.8
GOIS	Governors Island NM	2	NY	Northeast	2.5	11.4	15.9	4.5	5.2
GOSP	Golden Spike NHS	2	UT	Intermountain	2.3	3.7	2.5	2.7	0.8
GRBA	Great Basin NP	2	NV	Pacific West	1.5	4.4	2.5	2.6	1.0
GRCA	Grand Canyon NP	1	AZ	Intermountain	0.6	2.1	1.2	1.3	0.6
GREE	Greenbelt Park	2	MD	National Capital	2.8	10.5	16.7	4.4	5.6
GRKO	Grant-Kohrs Ranch NHS	2	MT	Intermountain	0.4	1.3	0.9	0.6	0.3
GRPO	Grand Portage NM	2	MN	Midwest	3.2	8.0	7.5	4.4	2.6
GRSA	Great Sand Dunes NP & Pres	1	CO	Intermountain	1.0	3.0	2.1	0.9	0.4
GRSM	Great Smoky Mountains NP	1	TN	Southeast	2.9	10.5	17.6	4.4	5.3
GRTE	Grand Teton NP	1	WY	Intermountain	1.8	5.2	3.5	2.6	1.2
GUCO	Guilford Courthouse NMP	2	NC	Southeast	3.3	8.8	14.0	4.5	4.6
GUIS	Gulf Islands NS	2	MS	Southeast	2.6	9.5	15.0	4.1	5.0
GUMO	Guadalupe Mountains NP	1	TX	Intermountain	1.1	3.0	3.0	1.6	1.1
GWCA	George Washington Carver NM	2	MO	Midwest	3.8	9.9	10.8	5.2	3.6
GWMP	George Washington Mem PKWY	2	MD	National Capital	2.6	10.0	15.8	4.4	5.4
HAFE	Harpers Ferry NHP	2	WV	National Capital	2.7	9.7	15.2	4.4	5.1
HAFO	Hagerman Fossil Beds NM	2	ID	Pacific West	0.7	1.4	1.0	0.8	0.3
HAGR	Hamilton Grange NMem	2	NY	Northeast	2.5	11.5	16.0	4.4	5.0
HALE	Haleakala NP	1	HI	Pacific West	NA	NA	NA	NA	NA
HAMP	Hampton NHS	2	MD	Northeast	3.5	11.6	18.3	5.2	6.1
HAVO	Hawaii Volcanoes NP	1	HI	Pacific West	NA	NA	NA	NA	NA

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ALPHA	PARK NAME	CLASS	STATE	REGION	kg/ha				
					NH ₄	NO ₃	SO ₄	Total-N	Total-S
HEHO	Herbert Hoover NHS	2	IA	Midwest	4.7	10.3	11.5	5.9	3.7
HOBE	Horseshoe Bend NMP	2	AL	Southeast	2.9	8.7	14.3	4.4	5.0
HOCU	Hopewell Culture NHP	2	OH	Midwest	2.9	10.8	16.8	4.7	5.5
HOFR	Home of Franklin D. Roosevelt NHS	2	NY	Northeast	2.3	10.9	14.3	4.2	4.7
HOFU	Hopewell Furnace NHS	2	PA	Northeast	3.8	11.8	17.7	5.3	5.7
HOME	Homestead NM of America	2	NE	Midwest	4.7	8.4	7.8	5.5	2.6
HOSP	Hot Springs NP	2	AR	Midwest	3.0	9.7	12.7	4.3	4.2
HOVE	Hovenweep NM	2	CO	Intermountain	0.6	2.9	1.9	1.1	0.6
HSTR	Harry S. Truman NHS	2	MO	Midwest	4.1	9.9	10.5	5.3	3.4
HUTR	Hubbel Trading Post NHS	2	AZ	Intermountain	0.8	3.2	2.2	1.4	0.7
INDE	Independence NHP	2	PA	Northeast	3.2	11.8	17.9	4.9	5.7
INDU	Indiana Dunes NL	2	IN	Midwest	4.1	11.9	15.5	5.8	5.5
ISRO	Isle Royale NP	1	MI	Midwest	NA	NA	NA	NA	NA
JAGA	James A. Garfield NHS	2	OH	Midwest	3.2	11.0	16.2	5.2	5.7
JECA	Jewel Cave NM	2	SD	Midwest	2.4	5.8	3.8	3.4	1.3
JEFF	Jefferson National Expansion Mem NHS	2	MO	Midwest	3.4	9.6	13.4	4.8	4.5
JELA	Jean Lafitte NPres	2	LA	Southeast	3.1	10.8	15.6	4.8	5.1
JICA	Jimmy Carter NHS	2	GA	Southeast	2.3	7.3	11.1	3.4	3.7
JODA	John Day Fossil Beds NM	2	OR	Pacific West	0.3	0.8	0.7	0.4	0.2
JODR	John D. Rockefeller, Jr. Mem Parkway NM	2	WY	Intermountain	2.2	6.4	4.3	3.5	1.6
JOFI	John Fitzgerald Kennedy NHS	2	MA	Northeast	1.9	9.2	13.3	3.7	4.7
JOFL	Johnstown Flood NMem	2	PA	Northeast	2.7	11.4	17.8	5.1	6.5
JOMU	John Muir NHS	2	CA	Pacific West	1.9	2.2	1.4	2.2	0.5
JOTR	Joshua Tree NP	1	CA	Pacific West	0.3	0.7	0.4	0.3	0.1
KAHO	Kaloko-Honokohau NHP	2	HI	Pacific West	NA	NA	NA	NA	NA
KALA	Kalaupapa NHP	2	HI	Pacific West	NA	NA	NA	NA	NA
KATM	Katmai NP & Preserve	2	AK	Alaska	NA	NA	NA	NA	NA
KEFJ	Kenai Fjords NP	2	AK	Alaska	NA	NA	NA	NA	NA
KEMO	Kennesaw Mountain NBP	2	GA	Southeast	3.2	8.6	15.1	4.3	4.9
KEWE	Keweenaw NHP	2	MI	Midwest	3.0	8.3	7.3	4.1	2.4
KIMO	Kings Mtn. NMP	2	SC	Southeast	2.9	8.5	14.5	4.3	4.9
KLGO	Klondike Gold Rush NHP	2	AK	Alaska	NA	NA	NA	NA	NA
KNRI	Knife River Indian Villages NHS	2	ND	Midwest	2.2	4.0	2.9	2.7	1.0
KOVA	Kobuk Valley NP	2	AK	Alaska	NA	NA	NA	NA	NA
LABE	Lava Beds NM	1	CA	Pacific West	0.3	0.7	0.5	0.5	0.2
LACH	Lake Chelan NRA	2	WA	Pacific West	0.5	3.0	2.5	1.6	1.2
LACL	Lake Clark NP & Preserve	2	AK	Alaska	NA	NA	NA	NA	NA
LACL	Lake Clark NP & Preserve	2	AK	Alaska	NA	NA	NA	NA	NA
LAME	Lake Mead NRA	2	NV	Pacific West	0.3	1.0	0.6	0.7	0.3
LAMR	Lake Meredith NRA	2	TX	Intermountain	2.7	4.4	3.9	3.2	1.3
LARO	Lake Roosevelt NRA	2	WA	Pacific West	0.6	1.7	1.1	0.8	0.3
LAVO	Lassen Volcanic NP	1	CA	Pacific West	2.1	6.4	4.3	2.5	1.3
LEWI	Lewis and Clark NHP	2	OR	Pacific West	1.0	4.1	4.4	1.6	1.5
LIBI	Little Bighorn NM	2	MT	Intermountain	1.2	2.8	2.2	1.5	0.7
LIBO	Lincoln Boyhood NMem	2	IN	Midwest	3.7	11.0	17.3	5.3	5.7
LIHO	Lincoln Home NHS	2	IL	Midwest	3.8	9.8	13.1	4.9	4.4
LIRI	Little River Canyon NPres	2	AL	Southeast	4.2	9.6	18.0	5.7	6.2
LONG	Longfellow NHS	2	MA	Northeast	1.9	9.2	13.3	3.7	4.7
LOWE	Lowell NHP	2	MA	Northeast	1.8	8.9	12.5	3.4	4.3
LYBA	Lyndon Baines Johnson NMem	2	VA	National Capital	2.7	10.4	16.4	4.4	5.4
LYJO	Lyndon B. Johnson NHP	2	TX	Intermountain	2.2	6.2	8.1	3.2	2.8
MABI	Marsh-Billings_Rockefeller NHP	2	VT	Northeast	2.1	9.6	12.0	3.7	3.9
MACA	Mammoth Cave NP	1	KY	Southeast	3.3	10.8	16.4	4.8	5.1
MALU	Martin Luther King, Jr. NHS	2	GA	Southeast	3.1	8.2	14.3	4.2	4.7
MALW	Maggie L. Walker NHS	2	VA	Northeast	2.5	9.3	14.4	4.1	4.9
MAMC	Mary McLeod Bethune Council House NHS	2	DC	National Capital	2.7	10.4	16.4	4.5	5.6
MANA	Manassas NBP	2	VA	National Capital	2.6	9.7	15.3	4.4	5.3
MANZ	Manzanar NHS	2	CA	Pacific West	0.4	0.7	0.4	0.7	0.2
MAVA	Martin Van Buren NHS	2	NY	Northeast	1.8	8.8	11.5	3.4	3.8
MEVE	Mesa Verde NP	1	CO	Intermountain	1.1	5.8	3.9	2.3	1.5
MIIN	Minidoka Internment NM	2	ID	Pacific West	0.7	1.5	1.1	0.9	0.4
MIMA	Minute Man NHP	2	MA	Northeast	1.8	9.1	12.9	3.6	4.6

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ALPHA	PARK NAME	CLASS	STATE	REGION	kg/ha				
					NH ₄	NO ₃	SO ₄	Total-N	Total-S
MIMI	Minuteman Missile NHS	2	SD	Midwest	2.4	4.5	2.9	2.9	0.9
MISS	Mississippi NRA	2	MN	Midwest	4.4	8.6	7.6	5.4	2.6
MNRR	Missouri NRR	2	NE	Midwest	4.2	6.5	5.2	4.8	1.7
MOCA	Montezuma Castle NM	2	AZ	Intermountain	1.1	4.0	2.7	1.8	0.9
MOCR	Moore's Creek NB	2	NC	Southeast	4.1	8.6	13.9	5.2	4.6
MOJA	Mojave NPres	2	CA	Pacific West	0.4	1.3	0.7	0.6	0.2
MONO	Monocacy NB	2	MD	National Capital	2.9	10.3	16.2	4.6	5.3
MORA	Mount Rainier NP	1	WA	Pacific West	0.8	4.7	4.6	1.5	1.4
MORR	Morristown NHP	2	NJ	Northeast	2.9	13.2	18.2	5.2	6.1
MORU	Mount Rushmore NMem	2	SD	Midwest	2.6	6.0	3.9	3.3	1.3
MUWO	Muir Woods NM	2	CA	Pacific West	3.0	3.8	2.6	1.8	0.5
NABR	Natural Bridges NM	2	UT	Intermountain	0.7	2.7	1.8	1.2	0.6
NACC	National Mall & Memorial Parks	2	DC	National Capital	2.7	10.4	16.4	4.4	5.4
NAMA	National Mall	2	DC	National Capital	2.7	10.4	16.4	4.5	5.6
NATC	Natchez NHP	2	MS	Southeast	3.0	10.2	14.4	4.6	4.8
NATR	Natchez Trace Parkway	2	MS	Southeast	2.9	9.4	12.8	4.3	4.3
NAVA	Navajo NM	2	AZ	Intermountain	0.8	3.1	2.0	1.3	0.7
NEBE	New Bedford Whaling NHP	2	MA	Northeast	1.8	9.2	13.6	3.5	4.6
NEPE	Nez Perce NHP	2	MT	Pacific West	0.8	2.1	1.5	1.0	0.4
NERI	New River Gorge NR	2	WV	Northeast	2.5	10.3	16.5	4.0	5.2
NICO	Nicodemus NHS	2	KS	Midwest	3.7	6.1	4.8	4.3	1.6
NIOB	Niobrara NSR	2	NE	Midwest	3.3	5.6	3.9	4.1	1.4
NISI	Ninety Six NHS	2	SC	Southeast	2.3	7.6	12.8	3.5	4.3
NOAT	Noatak NPres	2	AK	Alaska	NA	NA	NA	NA	NA
NOCA	North Cascades NP	1	WA	Pacific West	1.1	7.8	6.3	2.5	2.0
NPSA	The National Park of American Samoa	2	AS	Pacific West	NA	NA	NA	NA	NA
OBRI	Obed Wild and Scenic River	2	TN	Southeast	3.1	11.2	19.4	5.0	6.6
OCMU	Ocmulgee NM	2	GA	Southeast	2.4	6.9	11.3	3.3	3.7
OLYM	Olympic NP	1	WA	Pacific West	0.6	4.3	8.8	1.2	3.3
ORCA	Oregon Caves NM	2	OR	Pacific West	1.5	4.0	2.8	2.0	0.9
ORPI	Organ Pipe Cactus NM	2	AZ	Intermountain	0.7	2.2	1.5	0.9	0.5
OZAR	Ozark NSR	2	MO	Midwest	3.2	9.6	12.2	4.5	4.0
PAAL	Palo Alto Battlefield NHS	2	TX	Intermountain	1.8	4.9	6.9	2.6	2.4
PAAV	Pennsylvania Avenue NHS	2	DC	National Capital	2.7	10.4	16.4	4.5	5.6
PAIS	Padre Island NS	2	TX	Intermountain	2.0	5.3	7.7	2.7	2.5
PECO	Pecos NHP	2	NM	Intermountain	1.4	4.8	3.2	1.7	0.8
PEFO	Petrified Forest NP	1	AZ	Intermountain	1.0	3.5	2.5	1.6	0.9
PERI	Pea Ridge NMP	2	AR	Midwest	3.7	9.3	10.5	4.9	3.4
PETE	Petersburg NB	2	VA	Northeast	2.6	9.2	14.3	4.2	4.7
PETR	Petroglyph NM	2	NM	Intermountain	0.7	2.7	1.8	1.1	0.6
PEVI	Perry's Victory and International Peace M	2	OH	Midwest	3.1	9.7	13.2	0.0	0.0
PIMA	Hohokam Pima NM	2	AZ	Intermountain	0.6	2.1	1.4	0.9	0.5
PINN	Pinnacles NM	1	CA	Pacific West	0.3	1.0	0.8	0.4	0.3
PIPE	Pipestone NM	2	MN	Midwest	4.6	6.9	5.7	5.0	1.9
PIRO	Pictured Rocks NL	2	MI	Midwest	2.8	8.6	7.8	4.0	2.5
PISC	Piscataway Park	2	MD	National Capital	2.6	10.1	15.9	4.3	5.4
PISP	Pipe Spring NM	2	AZ	Intermountain	0.8	2.8	1.6	1.4	0.6
POPO	Poverty Point NM	2	LA	Southeast	3.1	9.4	12.8	4.5	4.3
PORE	Point Reyes NS	1	CA	Pacific West	1.7	2.5	1.8	2.0	0.6
PRWI	Prince William Forest Park	2	VA	National Capital	2.6	9.8	15.4	4.3	5.4
PUHE	Puukohola Heiau NHS	2	HI	Pacific West	NA	NA	NA	NA	NA
PUHO	Pu'uhonua o Honaunau NHP	2	HI	Pacific West	NA	NA	NA	NA	NA
RABR	Rainbow Bridge NM	2	UT	Intermountain	0.4	1.5	0.9	0.7	0.3
REDW	Redwood NP	1	CA	Pacific West	1.6	3.9	2.9	2.4	1.0
RICH	Richmond NBP	2	VA	Northeast	2.5	9.3	14.5	4.1	4.9
ROCR	Rock Creek P	2	DC	National Capital	2.8	10.3	16.3	4.5	5.6
ROLA	Ross Lake NRA	2	WA	Pacific West	1.0	7.0	5.6	2.3	1.8
ROMO	Rocky Mountain NP	1	CO	Intermountain	2.5	9.2	5.1	3.7	1.6
RORI	Rosie the Riveter WWII Home Front NHP	2	CA	Pacific West	1.9	2.2	1.5	1.8	0.5
ROWI	Roger Williams NMem	2	RI	Northeast	2.0	9.7	13.6	3.7	4.5
RUCA	Russell Cave NM	2	AL	Southeast	4.4	11.5	20.4	5.9	6.6
SAAN	San Antonio Missions NHP	2	TX	Intermountain	2.2	5.9	8.3	3.1	2.8

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ALPHA	PARK NAME	CLASS	STATE	REGION	kg/ha				
					NH ₄	NO ₃	SO ₄	Total-N	Total-S
SACN	Saint Croix NSR	2	MN	Midwest	3.9	8.1	7.0	4.9	2.4
SACR	Saint Croix Island IHS	2	ME	Northeast	1.3	6.2	9.0	2.5	3.0
SAFR	San Francisco Maritime NHP	2	CA	Pacific West	2.1	2.6	1.7	1.8	0.5
SAGA	Saint-Gaudens NHS	2	NH	Northeast	1.9	8.7	11.0	3.4	3.8
SAGU	Saguaro NP	1	AZ	Intermountain	1.5	5.0	3.5	2.1	1.1
SAHI	Sagamore Hill NHS	2	NY	Northeast	2.3	11.2	15.9	4.4	5.2
SAIR	Saugus Iron Works NHS	2	MA	Northeast	1.8	9.1	13.1	3.6	4.6
SAJH	San Juan Island NHP	2	WA	Pacific West	0.2	1.4	1.8	0.5	0.6
SAJU	San Juan NHS	2	PR	Southeast	NA	NA	NA	NA	NA
SAMA	Salem Maritime NHS	2	MA	Northeast	1.8	8.8	12.9	3.5	4.5
SAMO	Santa Monica Mountains NRA	2	CA	Pacific West	1.0	2.9	1.6	1.3	0.5
SAND	Sand Creek Massacre NHS	2	CO	Intermountain	2.1	3.8	2.6	2.6	0.9
SAPA	Saint Pauls Church NHS	2	NY	Northeast	2.4	11.4	15.6	4.5	5.2
SAPU	Salinas Pueblo Missions NM	2	NM	Intermountain	1.1	3.7	2.8	1.6	0.9
SARA	Saratoga NHP	2	NY	Northeast	1.9	8.9	11.2	3.6	3.9
SARI	Salt River Bay NH & Eco Park	2	VI	Southeast	NA	NA	NA	NA	NA
SCBL	Scotts Bluff NM	2	NE	Midwest	1.4	3.3	2.0	2.1	0.7
SEKI	Sequoia / Kings Canyon NP	1	CA	Pacific West	1.9	3.5	1.9	2.3	0.6
SHEN	Shenandoah NP	1	VA	Northeast	2.6	8.2	12.5	3.7	4.1
SHIL	Shiloh NMP	2	TN	Southeast	3.1	10.7	14.2	4.9	4.8
SITK	Sitka NHP	2	AK	Alaska	NA	NA	NA	NA	NA
SLBE	Sleeping Bear Dunes NL	2	MI	Midwest	3.2	9.7	9.3	4.8	3.3
SPAR	Springfield Armory NHS	2	MA	Northeast	2.1	10.3	13.6	3.9	4.5
STEA	Steamtown NHS	2	PA	Northeast	2.4	10.2	14.0	4.9	5.4
STLI	Statue of Liberty NM	2	NJ	Northeast	2.5	11.4	15.9	4.5	5.2
STRI	Stones River NB	2	TN	Southeast	3.3	10.5	16.4	5.0	5.6
SUCR	Sunset Crater NM	2	AZ	Intermountain	1.0	3.7	2.3	1.7	0.8
TAPR	Tallgrass Prairie NPres	2	KS	Midwest	4.1	9.2	9.0	5.2	3.0
THIS	Theodore Roosevelt NMem	2	VA	National Capital	2.7	10.4	16.4	4.5	5.6
THKO	Thaddeus Kosciuszko NMem	2	PA	Northeast	3.2	11.8	17.9	4.9	5.7
THRB	Theodore Roosevelt Birthplace NHS	2	NY	Northeast	2.5	11.4	16.0	4.5	5.2
THRI	Theodore Roosevelt Inaugural NHS	2	NY	Northeast	2.7	10.7	14.9	4.6	5.2
THRO	Theodore Roosevelt NP	1	ND	Midwest	1.8	3.7	2.8	2.3	0.9
THST	Thomas Stone NHS	2	MD	Northeast	2.6	10.1	16.0	4.4	5.4
TICA	Timpanogos Cave NM	2	UT	Intermountain	2.4	5.8	3.8	2.6	1.0
TIMU	Timucuan Ecological and Historical Prese	2	FL	Southeast	1.5	7.9	11.1	3.0	3.7
TONT	Tonto NM	2	AZ	Intermountain	1.2	4.3	3.0	1.9	1.0
TUAI	Tuskegee Airmen NHS	2	AL	Southeast	2.6	8.3	13.1	4.0	4.5
TUIN	Tuskegee Institute NHS	2	AL	Southeast	2.6	8.3	13.1	3.9	4.5
TUMA	Tumacacori NM	2	AZ	Intermountain	1.2	3.9	2.7	1.8	0.9
TUPE	Tupelo NB	2	MS	Southeast	3.0	10.0	13.4	4.6	4.5
TUZI	Tuzigoot NM	2	AZ	Intermountain	1.0	3.5	2.3	1.6	0.8
ULSG	Ulysses S. Grant NHS	2	MO	Midwest	3.5	9.8	13.5	5.0	4.6
UPDE	Upper Delaware Scenic and Recreational R	2	PA	Northeast	2.3	10.7	13.9	4.3	4.7
USAR	U S S Arizona Mem	2	HI	Pacific West	NA	NA	NA	NA	NA
VAFO	Valley Forge NHP	2	PA	Northeast	3.5	11.8	17.8	5.0	5.7
VAMA	Vanderbilt Mansion NHS	2	NY	Northeast	2.3	10.9	14.3	4.2	4.7
VICK	Vicksburg NC	2	MS	Southeast	2.7	9.5	12.8	4.2	4.2
VICR	Virgin Islands Coral Reef NM	2	VI	Southeast	NA	NA	NA	NA	NA
VIIS	Virgin Islands NP	1	VI	Southeast	NA	NA	NA	NA	NA
VOYA	Voyageurs NP	1	MN	Midwest	2.6	5.8	4.7	3.1	1.5
WABA	Washita Battlefield NHS	2	OK	Intermountain	3.1	6.2	5.8	3.9	2.0
WACA	Walnut Canyon NM	2	AZ	Intermountain	1.2	4.4	2.9	1.9	1.0
WAPA	War in the Pacific NHP	2	GU	Pacific West	NA	NA	NA	NA	NA
WASH	Washington Monument	2	DC	National Capital	2.7	10.4	16.4	4.5	5.6
WEFA	Weir Farm NHS	2	CT	Northeast	2.4	11.6	16.1	4.5	5.3
WHHO	Lafayette Square P	2	DC	National Capital	2.7	10.4	16.4	4.5	5.6
WHIS	Whiskeytown NRA	2	CA	Pacific West	1.6	4.0	2.7	1.6	0.7
WHMI	Whitman Mission NHS	2	WA	Pacific West	0.3	1.0	0.7	0.5	0.2
WHSА	White Sands NM	2	NM	Intermountain	0.6	1.8	1.5	0.9	0.5
WICA	Wind Cave NP	1	SD	Midwest	2.3	5.3	3.4	3.5	1.3
WICR	Wilson's Creek NB	2	MO	Midwest	3.4	9.2	10.4	4.7	3.4

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ALPHA	PARK NAME	CLASS	STATE	REGION	kg/ha				
					NH ₄	NO ₃	SO ₄	Total-N	Total-S
WIHO	William Howard Taft NHS	2	OH	Midwest	3.2	11.0	17.2	5.2	6.0
WORI	Womens Rights NHP	2	NY	Northeast	2.9	9.8	13.9	4.6	4.8
WOTR	Wolf Trap Farm Park	2	VA	National Capital	2.7	10.2	16.0	4.5	5.5
WRBR	Wright Brothers NMem	2	NC	Southeast	3.0	9.8	15.7	4.5	5.3
WRST	Wrangell-St Elias NP & Pres	2	AK	Alaska	NA	NA	NA	NA	NA
WUPA	Wupatki NM	2	AZ	Intermountain	0.4	1.7	1.1	0.7	0.3
YELL	Yellowstone NP	1	WY	Intermountain	1.6	4.1	2.8	1.9	0.8
YOSE	Yosemite NP	1	CA	Pacific West	2.1	4.2	2.6	2.5	0.9
YUCH	Yukon-Charley Rivers NPres	2	AK	Alaska	NA	NA	NA	NA	NA
YUHO	Yucca House NM	2	CO	Intermountain	0.7	3.9	2.6	1.2	0.8
ZION	Zion NP	1	UT	Intermountain	1.1	3.8	2.1	1.9	0.8