

Table 4. 2011 Summary of indices for resource injury (SUM06 and W126).

National Park Unit	Site Name	O ₃ % Valid	SUM06 ^a (ppm-hr)	W126 ^b (ppm-hr)	Period
Sites operated by the National Park Service (Gaseous Pollutant Monitoring Program)					
Big Bend	K-Bar Ranch Road	95.6	25	18	April-June
Canyonlands	Island in the Sky	95.7	15	13	May-July
Chiricahua	Entrance Station	94.8	31	10	April-June
Craters of the Moon	Visitor Center	98.5	6	8	April-June
Death Valley	Park Village	98.0	36	23	June-August
Denali	Headquarters	99.7	0	3	March-May
Glacier	West Glacier Horse Stables	98.6	0	3	March-May
Grand Canyon	The Abyss	94.3	26	18	April-June
Grand Teton	Science School	99.5	0	2	September-November
Great Basin	Maintenance Yard	98.8	21	15	June-August
Great Smoky Mountains	Clingmans Dome	99.6	20	14	June-August
Great Smoky Mountains	Cove Mountain	99.6	16	12	June-August
Great Smoky Mountains	Look Rock	98.1	33	22	June-August
Joshua Tree	Black Rock	98.6	56	39	June-August
Joshua Tree	Cottonwood Canyon	73.4	35	22	April-June
Lassen Volcanic	Manzanita Lake Fire Station	97.0	10	8	June-August
Mammoth Cave	Houchin Meadow	98.6	16	12	June-August
Mesa Verde	Resource Management Area	99.7	22	15	June-August
Mount Rainier	Tahoma Woods	99.8	1	1	March-May
Petrified Forest	South Entrance	99.2	21	14	April-June
Pinnacles	SW of East Entrance Station	99.1	10	8	July-September
Rocky Mountain	Long's Peak	99.4	35	24	June-August
Sequoia and Kings Canyon	Ash Mountain	99.7	75	61	July-September
Sequoia and Kings Canyon	Lower Kaweah	97.8	48	34	June-August
Shenandoah	Big Meadows	97.9	20	14	June-August
Voyageurs	Sullivan Bay	96.1	2	5	March-May
Yellowstone	Water Tank	98.1	13	11	April-June
Yosemite	Turtleback Dome	97.4	36	23	July-September
Zion	Dalton's Wash	99.5	24	17	April-June
Sites operated by the NPS for the Bureau of Land Management					
Meeker	Plant Science Center	99.6	6	8	April-June
Rangely	Golf Course	99.5	9	10	June-August
Sites operated by cooperating state agencies					
<i>Acadia</i>	Cadillac Mountain	97.4	4	4	June-August
<i>Acadia</i>	McFarland Hill	98.8	3	3	June-August
<i>Badlands</i>	Visitor Center	98.8	0	2	June-August
<i>Cape Cod</i>	Cape Cod	94.3	4	4	May-July
<i>Chamizal</i>	Chamizal	99.7	17	13	June-August
<i>Congaree</i>	Congaree Bluff	98.3	6	5	April-June
<i>Cowpens</i>	State Monitor	96.8	10	9	June-August
<i>Everglades</i>	Cutler Road	100.0	2	3	March-May
<i>Great Smoky Mountains</i>	Cades Cove	98.6	9	8	April-June
<i>Great Smoky Mountains</i>	Purchase Knob	98.4	6	7	April-June
<i>Indiana Dunes</i>	Ammunition Bunker	99.8	5	4	June-August

Table 4. 2011 Summary of indices for resource injury (SUM06 and W126) (continued).

National Park Unit	Site Name	O ₃ % Valid	SUM06 ^a (ppm-hr)	W126 ^b (ppm-hr)	Period
Sites operated by cooperating state agencies					
<i>Mount Rainier</i>	Jackson Visitor's Center	86.3	0	3	March-May
<i>Saguaro</i>	East	99.6	25	17	May-July
<i>Theodore Roosevelt</i>	Painted Canyon Visitor Center	82.8	1	3	April-June
<i>Wind Cave</i>	Visitor Center	99.7	2	4	May-July
Portable ozone monitoring systems (POMS)					
<u>Carlsbad Caverns</u>	Maintenance Area	99.7	22	15	April-June
<u>City of Rocks</u>	Juniper Campground	99.9	2	6	June-August
<u>Colorado</u>	Maintenance Yard	97.2	18	13	June-August
<u>Cumberland Gap</u>	Hensley Settlement	99.8	4	5	June-August
<u>Devil's Tower</u>	Joyner Ridge Trail	98.7	1	3	June-August
<u>Dinosaur</u>	West Entrance Housing	97.6	18	15	January-March
<u>Joshua Tree</u>	Pinto Wells	90.7	38	23	April-June
<u>Kings Mountain</u>	Brown's Mountain	96.4	13	10	June-August
<u>Little River Canyon</u>	Canyon High	97.2	7	7	June-August
<u>Lyndon B. Johnson</u>	Hay Barn	99.2	8	6	April-June
<u>Mojave</u>	Kelso Mountains	93.6	21	15	April-June
<u>Russell Cave</u>	Visitor Center	99.9	3	4	June-August
<u>Scotts Bluff</u>	Visitor Center	86.8	6	7	June-August
<u>Yosemite</u>	School Yard	99.8	3	4	July-September

^a SUM06 exposure index represents the 0800-2000 hourly ozone concentrations equaling or exceeding 0.06 ppm. The value reported here represents a three-month maximum value during the ozone season. Units are ppm-hr.

^b W126 exposure index represents 0800-2000 hourly ozone concentrations where each concentration is weighted by a function that gives greater emphasis to the higher hourly concentrations while still including the lower ones. The value reported here represents a three-month maximum value during the ozone season. Units are ppm-hr. For more information on the W126 exposure index go to <http://www.nature.nps.gov/air/aqbasics/glossary.cfm>.

Note: The SUM06 and W126 are described in further detail on pages 3-4 of this report. For more information see the section titled "Resource Injury Indices."

Operating agency key: plain text = site operated by the National Park Service, Bureau of Land Management, or U.S. Forest Service
 italics = site operated by a state agency
underline = site operated by the National Park Service, but consisting of non-EPA certified portable instrumentation

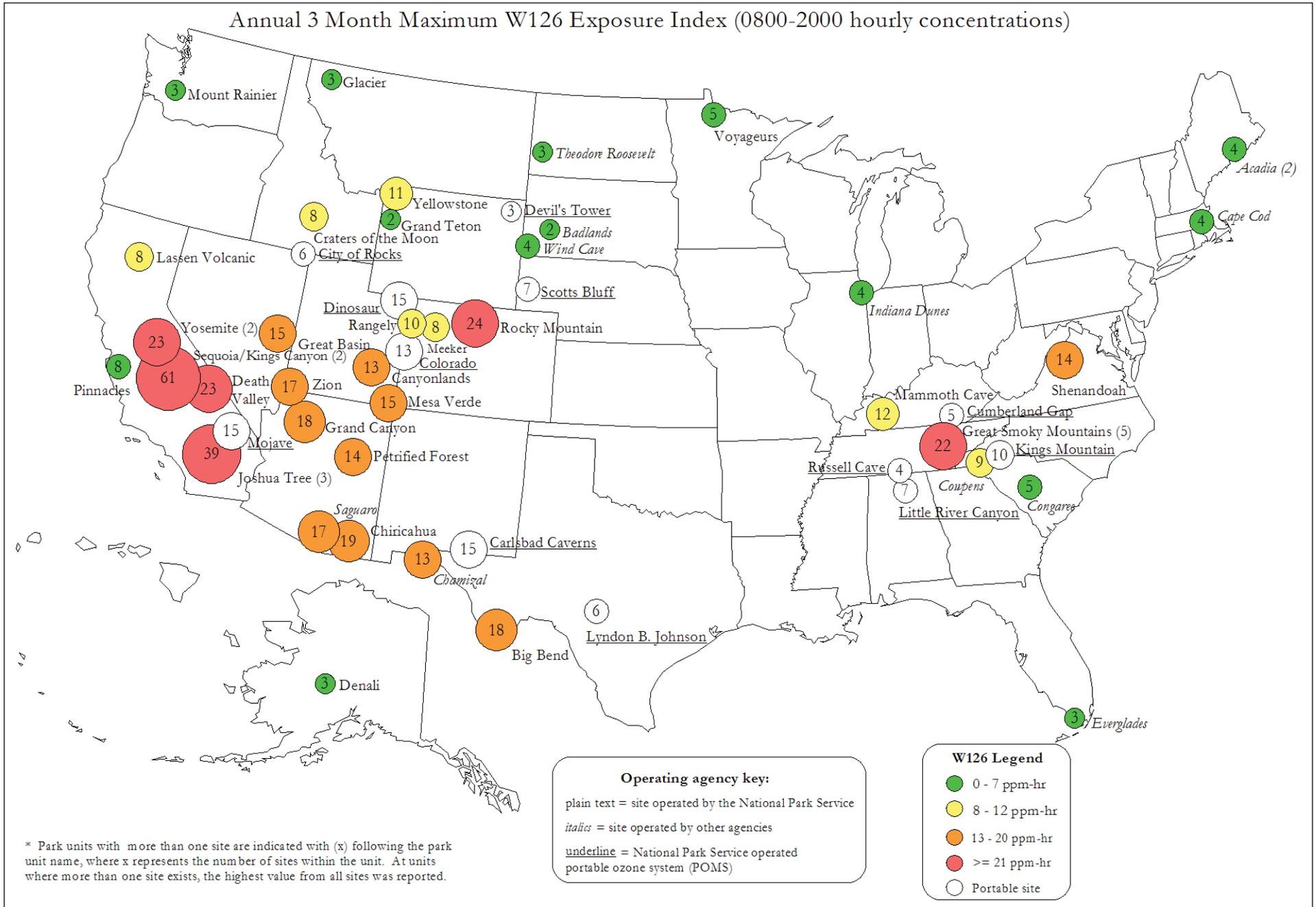
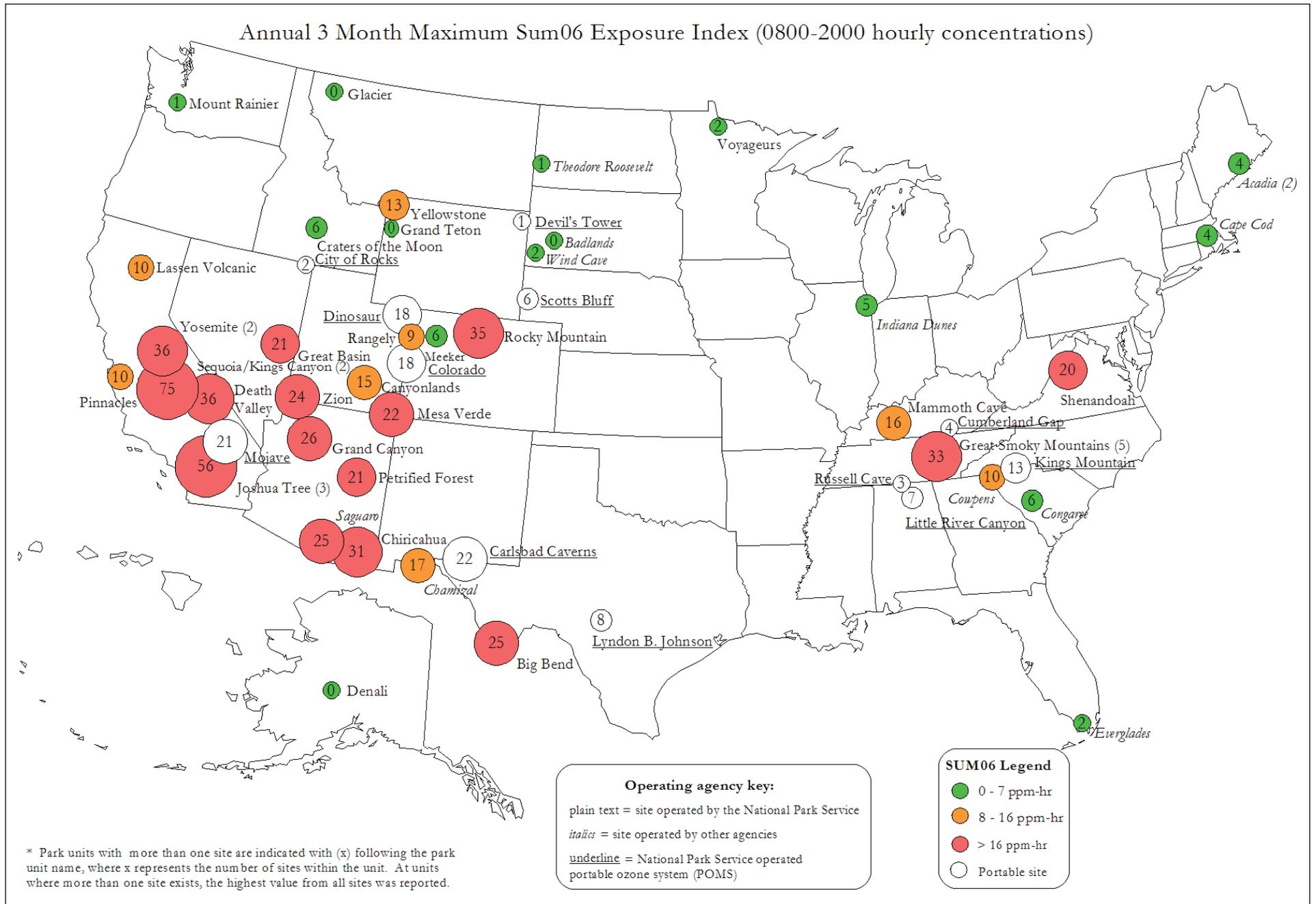


Figure 6. 2011 3-month maximum W126 exposure index during the ozone season (0800-2000 hourly concentrations).



21 Figure 7. 2011 3-month maximum SUM06 exposure index during the ozone season (0800-2000 hourly concentrations).