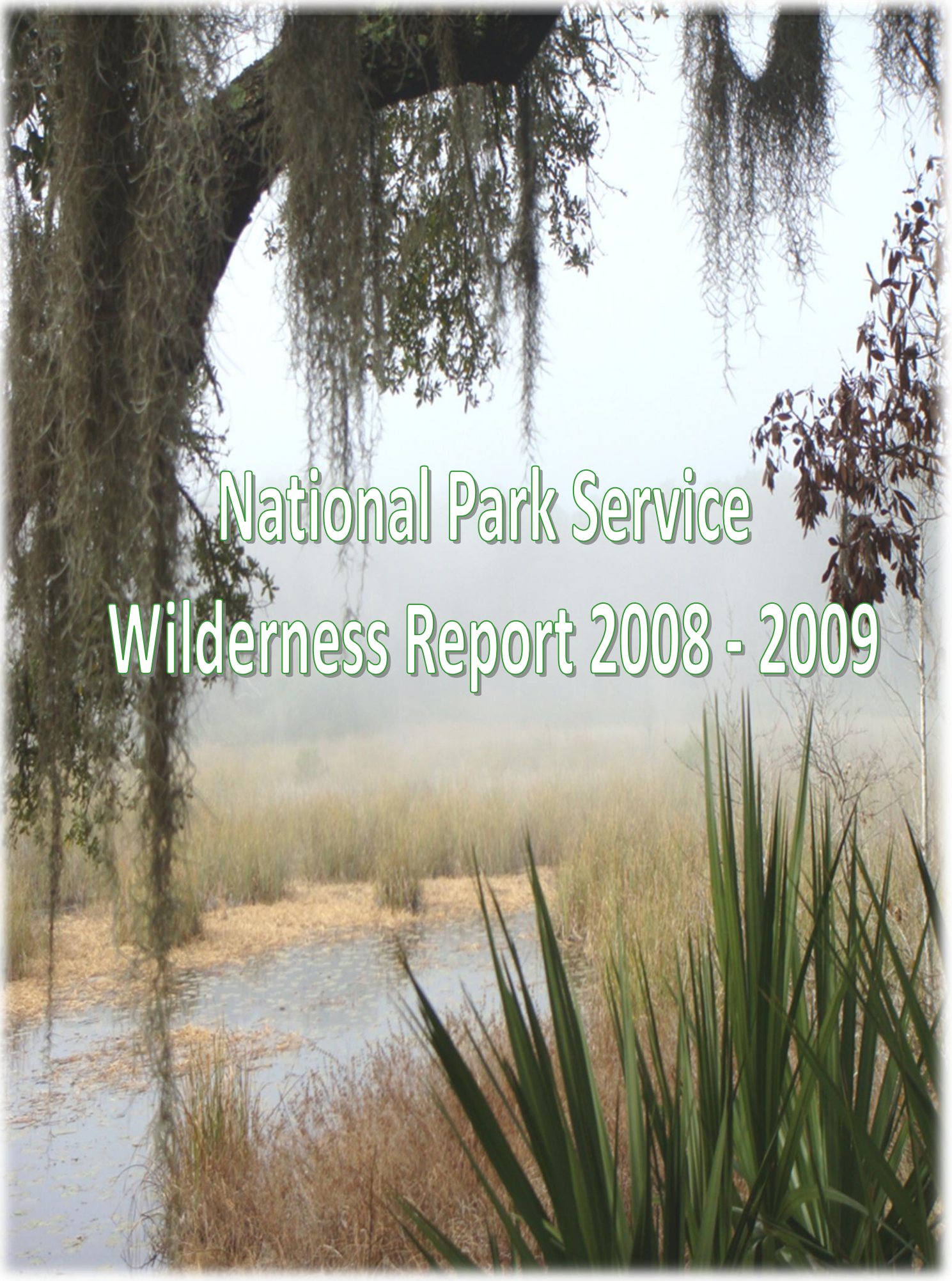

National Park Service
Wilderness Report 2008 - 2009

Big Bend Recommended Wilderness

Message from Garry Oye
Chief, NPS Wilderness Stewardship Division

It is important to take a moment to look back at how far we have come since 2008. The NPS Wilderness Stewardship Program has made significant progress in the last two years. It took some time to sort through all the previous reports and recommendations, review accomplishments and needs, and go about setting priorities. Much time was spent creating connections between field staff, Superintendents, regional coordinators and program leaders. We also worked with the Wilderness Steering Committee, and changed the name to Wilderness Leadership Council to reflect a change in thinking. We worked hard to integrate wilderness into the core business of the National Park Service. With over 44 million acres of designated wilderness and another 26 million acres of proposed wilderness, we manage four out of every five acres in the NP system under a wilderness prescription. We accepted the challenge that we needed to focus attention on Wilderness Stewardship Plans. In 2008, less than one third of our parks had plans in place; now an additional third are moving forward with planning efforts. With the support of the Planning Division, the Wilderness Stewardship Program hopes to have all 60 Wildernesses with Stewardship Plans by 2014. In working with the other three wilderness agencies, we made a commitment to have a wilderness character baseline completed for all Wildernesses by 2014. This involves monitoring each Wilderness to determine the four qualities of wilderness character: undeveloped, untrammeled, natural and opportunities for solitude or primitive and unconfined recreation. Training opportunities expanded to include the border patrol community, and the Division welcomed two new staff members to further strengthen national wilderness capacity. We also teamed up with the Office of International Affairs to share our wilderness story with visiting delegations interested in protected area management.

I believe that the changes, initiatives and partnerships that were developed in 2008 and 2009 will position the Wilderness Stewardship Program for many future successes.

Thank you for your support!

WSD Staff (from L-R): Garry Oye, Tim Devine, Wade Vagias, and Ashley Adams

MEET THE NEW DIVISION STAFF

In early 2008, the Division transitioned from Wilderness Stewardship and Recreation Management to strictly Wilderness Stewardship. Rick Potts, the former Division Chief moved on to serve as the Chief of Conservation and Outdoor Recreation and Wilderness welcomed Garry Oye as the new Division Chief. Prior to 2008, Garry was the District Ranger for the White Mountain and Mt. Whitney Ranger Districts in California since 2002. Prior to 2002, he was the Wilderness Coordinator for the National Forests of California for seven years.

When Garry arrived in Washington, the Division consisted of himself and Tim Devine, NPS Wilderness Training Manager, at the Arthur Carhart Wilderness Training Center in Missoula, MT. In 2009, Garry brought on two Natural Resource Specialists to strengthen the Division in Washington – Wade Vagias and Ashley Adams. Wade earned his Ph.D. in Recreation Resources Management from Clemson University and will focus on the NPS National Outdoor Ethics Program and Wilderness Stewardship Planning. Ashley earned her Masters in Environmental Management from Duke University in 2009 and will focus on GIS, science (including climate change and fire) and wilderness character monitoring. With the help of the Interagency Wilderness Policy Council, the Wilderness Leadership Council, Regional Wilderness Coordinators and Park Wilderness Coordinators, the new Division is striving to make the NPS a leading partner in wilderness stewardship within the National Wilderness Preservation System (See Appendices A & B for rosters of NPS councils and coordinators).

2008-2009 WES HENRY AWARD RECIPIENTS

The Director's Wes Henry National Excellence in Wilderness Stewardship Award has been presented annually or biannually since 1993. The award was established to recognize and foster excellence in the Agency's wilderness stewardship efforts by an individual NPS employee, group of employees, and/or park or central office organization. Management of NPS wilderness areas requires both a passion for the benefits of wild areas as well as the ability to work in an interdisciplinary manner to achieve integration of wilderness ethics and understanding into all fields of park operations. Wilderness champions are committed to promoting and enhancing the unique combination of ecological and experiential qualities of wilderness through conscientious stewardship, management, and planning.

2008 Award Recipients

The recipient of the 2008 Individual Wilderness Champion Award is **Joe Van Horn**. Joe has served as a natural resources manager and wilderness specialist at Denali National Park and Preserve for over 30 years. In that time, Joe set a high standard for wilderness management in Alaska. He recognized early that to be successful, managers must evaluate a diverse set of public values, often balancing tradeoffs among multiple and often competing values. To assist managers, he developed a decision-making model that integrates social, resource, and managerial values associated with the Denali wilderness experience. This has been the foundation of much of his and others' subsequent efforts preserving Denali's wilderness resources and values. His professional accomplishments have contributed enormously to the protection of millions of acres of eligible and designated Denali Wilderness.

Olympic Wilderness

Olympic National Park received the 2008 Wilderness Champion Group Award. By integrating the minimum requirement concept into all planning and compliance, understanding of wilderness resources was considerably improved, and necessary protections were accepted by all park programs. This thorough integration provided a much greater level of consistency in wilderness management, adhered to wilderness directives, and ensured a high level of accountability. Through a significant commitment to training, park employees at all levels and across all divisions are now knowledgeable and consistent in their stewardship efforts. Olympic's program has been extremely effective, and is a valuable role model for successful National Park Service wilderness stewardship.

2009 Award Recipients

The recipient of the 2009 Individual Wilderness Champion Award is **Steve Bair**, Wilderness and Trails Manager at Shenandoah National Park. Steve initiated, coordinated, and wrote Shenandoah National Park's first Backcountry-

Beaver Basin Wilderness
Pictured Rocks NS

Joshua Tree Wilderness

John Krebs Wilderness
Sequoia & Kings Canyon NPs

Rocky Mountain Wilderness

Zion Wilderness

Wilderness Management Plan. Steve established an interdisciplinary team, guided plan development, and integrated public involvement. In cooperation with a university partner, Steve initiated and coordinated wilderness social science research in Shenandoah. The resulting Backcountry and Wilderness Visitor Study significantly influenced the Backcountry-Wilderness Management Plan, and set a framework for future management actions. Steve also served as the Northeast Regional Wilderness Coordinator and made substantial contributions to the NPS and interagency wilderness programs.

Organ Pipe Cactus National Monument received the 2009 Wilderness Champion Group Award. Staff has long held a great appreciation for the values of wilderness areas; respect for wilderness pervades all divisions. Law enforcement rangers walk miles through wilderness in pursuit of smugglers and provide support for natural and cultural resource projects; maintenance staff exhibit great care when removing trash and abandoned vehicles from wilderness areas; and resource management staff work to document and assess impacts of illegal roads and trails through a long established wilderness resource monitoring program . The park's commitment to wilderness was severely tested in 2009 when the Department of Homeland Security (DHS) proposed to build 33 electronic towers in and adjacent to the monument, of which several were slated to be placed in wilderness areas. Park staff worked successfully with DHS and other agencies to reduce the number of towers to 11, none of which are located within NPS designated wilderness.

WILDERNESS ACCOMPLISHMENTS FOR 2008-2009

2008 and 2009 saw the development of a more robust Wilderness Stewardship Division support staff, the passing of a federal bill designating over half a million new wilderness acres, an international agreement on wilderness conservation, and more. The following are wilderness highlights from the past two years.

Wilderness Stewardship Planning Accomplishments

Death Valley National Park initiates Wilderness Management Plan

Death Valley National Park is the largest NPS unit in the lower 48 and similarly contains the largest wilderness area in the lower 48. A vast landscape of extremes, the park ranges from the arid salt pan 282 feet above sea level to the snowcapped Telescope Peak at 11,049 feet above sea level. The recently developed Wilderness and Backcountry Stewardship Plan provides coverage for more than 95% of the park - covering 3.1 million acres of designated wilderness in addition to thousands of acres of non-wilderness backcountry lands. The planning team consisted of the Park Superintendent, representatives from each park division, the Park's Environmental Protection Specialist, a lead planner, and representatives from the surrounding counties and Shoshone Tribe. During the public scoping period, Death Valley served as a Twitter Tester for the NPS Beta Test Program, where staff established a twitter account that was used to alert the public of scoping input opportunities.

Congress signs Omnibus Public Lands Management Act of 2009

New parks, wilderness and trails were announced in the 2009 Omnibus Public Lands Management Act. A wealth of public lands protections were made law including additions to the National Wild and Scenic Rivers System, the creation of three national park units, and several historic, geologic, and scenic trails. NPS Wilderness also expanded, as more than half a million acres of new wilderness was designated in the Act for five national park units (see Appendices D & E for NPS Designated & Recommended Wildernesses):

Pictured Rocks National Lakeshore, MI - 11,700 ac
Joshua Tree National Park, CA - 36,000 ac
Sequoia and Kings Canyon National Parks, CA - 85,000 ac
Rocky Mountain National Park, CO - 249,000 ac
Zion National Park, UT - 124,000 ac

Wild9 Conference and Cooperation for Wilderness Conservation MOU signed

In November 2009, the 9th World Wilderness Congress met in Mérida, Mexico including 1,800 delegates from 50 countries and over 12,000 online participants from 130 countries. The 8-day conference addressed a variety of forum topics ranging from native lands and wilderness to conservation communication strategies and law and policy.

During the conference, representatives from Mexico, Canada, and the United States signed a memorandum of understanding (MOU) creating a framework for future cooperation and coordination between the three nations for wilderness conservation. The MOU provides for the development of an intergovernmental committee comprised of agency heads or their designated representative to facilitate collaboration. NPS Director Jon Jarvis, who attended the conference and signed the MOU, said, "This MOU reaffirms the National Park Services' commitment to conservation and we look forward to moving forward with our two closest neighbors and other

Funding secured for 2010 Wilderness Fellows program

In cooperation with Everglades National Park, Buffalo National River, and the Intermountain Regional Office, the Wilderness Stewardship Division established an innovative Wilderness Fellowship Program to provide opportunities for students to gain valuable career experience while helping advance stewardship of NPS wilderness resources. Each Wilderness Fellow will spend up to six months in a wilderness park to support the development of a Wilderness Stewardship Plan and associated tasks. Fellows will start in the summer of 2010 and have the opportunity to take part in training courses, develop inventory and monitoring strategies, produce baseline wilderness character assessments, create public outreach strategies, and gain a deep understanding of NPS culture.

Ashley Adams joins Wilderness Character Monitoring Team

The Interagency Wilderness Character Monitoring Team welcomed Ashley Adams, Natural Resource Specialist for the NPS Wilderness Stewardship Division, as a new addition to the team in fall 2009. Ashley will help to develop the character monitoring database template and connect these monitoring efforts with thematically similar on-going efforts within the NPS Inventory and Monitoring Program.

Training Accomplishments

The Arthur Carhart Wilderness Training Center provided a variety of interagency wilderness face-to-face training courses across the country in 2008 and 2009 including, 5 Regional Wilderness Stewardship training courses in New Hampshire, Oregon, Arkansas, New Mexico and California, and 2 National Wilderness Stewardship training courses in Montana.

Park-specific Wilderness Workshops

Seven park-specific Wilderness Workshops were conducted at Glacier NP (2008), the Southern Nevada Agency Partnership (2008), Lake Mead NRA (2008), Denali NP & Preserve (2008), North Cascades NP (2008), Glacier Bay NP & Preserve (2008), and Organ Pipe Cactus NM (2009). Superintendents and park staff praised the training, noting the huge advantage of holding the training locally. The superintendents mentioned that this approach enabled a large portion of their staff to attend the training and thereby gain a better understanding of the role of wilderness in their day-to-day management activities. Park staff said it gave them an opportunity to interact with different work units on how to better work together for the common good of their wilderness resource.

Crater Lake Recommended Wilderness

Online Training Courses and Forums

To provide more training to more people at less cost while continuing to offer critical classroom courses the Center continued to offer two core on-line courses, The 1964 Wilderness Act and Minimum Requirements Decision Process. In 2008-2009, two new on-line courses, The Wilderness Stewardship Planning Framework, and Visitor Use Management (Fundamentals, Strategies, and Monitoring Impacts and Uses) were developed and launched in cooperation with the Eppley Institute for Park and Public Lands at Indiana University. The Carhart staff is working hard to produce additional on-line courses for the future.

In 2009, Connect (www.connect.wilderness.net), a wilderness professional social network was created and launched. Connect helps facilitate communication and stimulate ideas among wilderness managers and their partners. Members network with other wilderness professionals, share expertise and learn from others, stay updated on current wilderness training and conference opportunities, and collaborate in groups to solve specific stewardship issues. Connect has become a valuable tool to discuss stewardship issues and exchange information.

Glacier Bay Wilderness

Interdepartmental Wilderness Trainings

In cooperation with the Department of Homeland Security, Tim Devine, NPS Wilderness Training Manager conducted a wilderness awareness session at the U.S. Border Patrol Public Lands Liaison Agents meeting in June of 2009. He has been a member of the interagency DHS/DOA/DOI Environmental and Cultural Stewardship Training task force working to bring wilderness training and awareness to Border Patrol and agency employees who work along the international borders. A joint wilderness workshop was conducted at Organ Pipe Cactus National Monument in August 2009 with others planned for the future.

Education and Outreach Accomplishments

See Appendix B for a list of 2008-2009 NPS Wilderness publications from the Aldo Leopold Wilderness Research Institute.

2009 George Wright Society Conference

Wade Vagias, Natural Resource Specialist for the Wilderness Stewardship Division, co-authored a presentation entitled *Preliminary Evaluation of the Leave No Trace Visitor Education Program in Three US NPS Units* at the 2009 George Wright Society Conference in Portland, OR. The presentation covered significant findings drawn from a Leave No Trace (LNT) Visitor Education Program assessment based on visitor surveys in Glacier National Park, Olympic National Park, and Cumberland Island National Seashore. Discussion of visitors' differing opinions regarding the appropriateness of specific LNT backcountry practices and respondent's perceptions of programmatic effectiveness followed the presentation. The presentation concluded by providing practitioners with suggestions on how to more effectively disseminate the LNT message among the recreating public.

Interagency Wilderness Policy Council Hosts Climate Change Dialogue

The Interagency Wilderness Policy Council hosted a one-day dialogue in Washington, D.C., between government and non-governmental professionals to discuss the role of wilderness in understanding the impacts, challenges, and opportunities presented by climate change. Scientists, field managers, and non-profit partners addressed the impacts of climate change on our National Wilderness Preservation System and the role protected areas can play in adaptation and mitigation. Karen Taylor-Goodrich, former Associate Director for Visitor and Resource Protection and former Chair of the Interagency Wilderness Policy Council, described the meeting as "a great opportunity to engage with other wilderness and conservation agencies, non-governmental organizations, and other institutions on one of the most important concerns of our time." Meeting content can be found at: http://www.wilderness.net/index.cfm?fuse=climatechange

NPS Leave No Trace Video Made Available Online

The NPS Leave No Trace video was made available online (http://www.nps.gov/features/wilderness/leavenotrace/popup.html) in late 2009. The 9½ minute video addresses the importance of taking a personal role in preserving the outdoor experience for future generations. It provides a vivid and adventurous display of outdoor scenery, showcasing wild animals, breathtaking scenery, and presents how people can incorporate Leave No Trace principles when they are outdoors. "We hope the video inspires people to take a wilderness trip," said Jonathan Jarvis, Director of the National Park Service. "The more people know about making the right choices while camping and enjoying the backcountry, the better we can protect these special places for future generations of hikers and campers."

Wilderness Stewardship Division meets with Bhutan delegation

NPS and Bhutan Representatives

In September 2009, the Wilderness Stewardship Division hosted a delegation from Bhutan, organized by Jon Miceler, World Wildlife Fund director for the Eastern Himalayas Program. The Bhutan delegation included Dr. Pema Gyamtsho, Minister of Agriculture, Karma Dukpa, Director of the Department of Forest, and Nawang Norbu, Director of Ugyen Wangchuck Environmental and Forestry Institute. Garry Oye shared background and management perspectives of NPS Wilderness as the delegation was very interested in hearing examples of protected area management. NPS staff shared resources for management policies, professional training, and wilderness character monitoring.

Appendix A: 2008 and 2009 Wilderness Leadership Council (WLC)

2008

WLC Role	Name
Superintendent & Council Chair	Joel L. Hard; Superintendent – Lake Clark NP and Preserve
Superintendent	Dan Kimball; Superintendent – Everglades & Dry Tortugas NPs
Superintendent	Valerie Naylor; Superintendent – Theodore Roosevelt NP
Superintendent	Marilyn H. Parris, Superintendent – Haleakala NP
Law Enforcement	Bill Wright; Chief Ranger – Great Smoky Mountains NP
Cultural Resources & Committee Vice-Chair	Paul Gleeson; Chief, Cultural Resource Division - Olympic NP
Natural Resources	Gordon Olson, Chief, Division of Natural and Cultural Resources – Shenandoah NP
Alaska Region/Park Representative	Pete Christian; Wilderness Coordinator, District Ranger (Pilot) - Gates of the Arctic NP & Preserve
Interpretation and Education	Carol Sperling; Chief, Interpretation and Visitor Resources – Great Sand Dunes NP
Park Wilderness Manager	Gregg Fauth; Wilderness and Wild & Scenic Rivers Coordinator – Sequoia Kings Canyon NPs
Facilities Management	Dan Cloud; Facility Manager – Bryce Canyon NP
Liaison/Program	*Name*
Arthur Carhart National Wilderness Training Ctr.	Connie G. Myers; Director – Arthur Carhart National Wilderness Training Ctr.
Also Leopold Wilderness Research Institute	David Parsons; Director – Also Leopold Wilderness Research Institute
Fire and Aviation	Jeff Manley; Deputy Budget and Planning – Division of Fire & Aviation
NPS Natural Sounds Program	Karen Trevino; Manager - NPS Natural Sounds Program
Park Planning and Special Studies	Patrick Gregerson; Program Manager – WASO
WASO Office	*Name*
Visitor and Resource Protection	Karen Taylor-Goodrich; Associate Director
Natural Resource Stewardship & Science	Bert Frost; Deputy Associate Director (Alternate: Elaine Leslie)
Wilderness Program Interpretation and Education Specialist	Laura Bechheit; Education Specialist - Shenandoah NP
Arthur Carhart National Wilderness Training Center	Tim Devine; NPS Wilderness Training Program Manager
Wilderness Stewardship Division	Garry Oye; Division Chief

WLC Role	Name
Superintendent & Council Chair	Sean McGuinness; Deputy Superintendent - Fire Island National Seashore
Superintendent	Chas Cartwright; Superintendent - Glacier NP
Superintendent & Council Vice-Chair	Cherry Payne; Superintendent - Glacier Bay NP & Preserve
Superintendent	Valerie Naylor; Superintendent - Theodore Roosevelt NP
Law Enforcement	Kevin Hendricks; Chief Ranger - Sequoia and Kings Canyon NPs
Cultural Resources	Melissa Memory; Chief, Division of Cultural Resources – Everglades & Dry Tortugas NPs
Natural Resources	Gordon Olson; Chief, Division of Natural and Cultural Resources – Shenandoah NP
Alaska Region/Park Representative	Pete Christian; Chitina District Ranger/Pilot – Wrangell-St. Elias NP & Preserve
Interpretation and Education	Carol Sperling; Chief of Interpretation and Visitor Services – Great Sand Dunes NP
Park Wilderness Manager	Gregg Fauth; Wilderness and Wild & Scenic Rivers Coordinator – Sequoia and Kings Canyon NPs
Facilities Management	Dan Cloud; Facility Manager – Bryce Canyon NP
Liaison/Program	*Name*
Arthur Carhart National Wilderness Training Ctr.	Connie Myers; Director – Arthur Carhart National Wilderness Training Ctr.
Aldo Leopold National Wilderness Research Wilderness Institute	David Parsons; Director – Aldo Leopold Wilderness Research Institute
Fire & Aviation	Jeff Manley; Deputy Budget and Planning - Division of Fire & Aviation
NPS Natural Sounds Program	Karen Trevino; Manager – NPS Natural Sounds Program
Park Planning & Special Studies	Patrick Gregerson; Program Manager - WASO
WASO Office	*Name*
Visitor & Resource Protection	Karen Taylor-Goodrich; Associate Director
Natural Resource Stewardship & Science	Bert Frost; Deputy Associate Director (Alternate: Elaine Leslie)
Arthur Carhart National Wilderness Training Center	Tim Devine; NPS Wilderness Training Program Manager
Wilderness Stewardship Division	Garry Oye; Division Chief

Appendix B: 2008 and 2009 Regional Wilderness Coordinators

Region	Coordinator
Alaska	Judy Alderson
Pacific West	Alan Schmierer
Intermountain	Suzy Stutzman
Midwest	Sandra Washington
Northeast	Michael Bilecki
Southeast	Mark Kinzer
2008 WLC Chair	Joel Hard
2009 WLC Chair	Sean McGuiness

Appendix C: Collection of Wilderness Publications from the Aldo Leopold Wilderness Research Institute (2008-2009)

Cole, D.N., P. Foti, M. Brown. 2008. Twenty years of change on campsites in the backcountry of Grand Canyon National Park. Environmental Management 41:959-970.

Learning from the past: Retrospective analyses of fire behavior in Yosemite and Sequoia-Kings Canyon National Parks (JFSP Project #04-2-1-110). http://leopold.wilderness.net/research/fprojects/F006.htm

Miller, C. and B. Davis. 2009. Quantifying the consequences of fire suppression for two national parks. The George Wright Forum 26(1):76-88.

Davis, B. H., J. van Wagtendonk, J. Beck and K. van Wagtendonk. 2009. Modeling fuel succession. Fire Management Today. 69(2): 18-21.

van Wagtendonk, K., B.H. Davis. 2010. Revisiting spatial patterns of lightning strikes and fires in Yosemite National Park. *In:* Weber, Samantha, ed.

Rethinking Protected Areas in a Changing World: Proceedings of the 2009 GWS Biennial Conference on Parks, Protected Areas, and Cultural Sites; 2009 March 1-6; Portland, OR. Proc. Hancock, Michigan: The George Wright Society: 125-130.

Davis, B.H., C. Miller. 2010. What if we didn't suppress fire? *In:* Weber, Samantha, ed. Rethinking Protected Areas in a Changing World: Proceedings of the 2009 GWS Biennial Conference on Parks, Protected Areas, and Cultural Sites; 2009 March 1-6; Portland, OR. Proc. Hancock, Michigan: The George Wright Society: 131-134.

Tarnay Lee, W., B.H. Davis, K. van Wagtendonk. 2010. Modeled and actual impacts of fire management on carbon sequestration and greenhouse gas emissions in Yosemite National Park. In: Weber, Samantha, ed. Rethinking Protected Areas in a Changing World: Proceedings of the 2009 GWS Biennial Conference on Parks, Protected Areas, and Cultural Sites; 2009 March 1-6; Portland, OR. Proc. Hancock, Michigan: The George Wright Society: 93-100.

Davis, B. and C. Miller. 2010. Retrospective fire behavior modeling: methods and uses. Gen. Tech. Rep. RMRS-GTR-236WWW. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 40 p.

Appendix D: Designated NPS Wilderness

(Source: NPS Wilderness Stewardship Database, August 2010)

Wilderness Name	Park Unit	Designated Acreage
Ansel Adams Wilderness	Devils Postpile National Monument	747
Badlands Wilderness	Badlands National park	64,250
Bandelier Wilderness	Bandelier National Monument	23,267
Beaver Basin Wilderness	Picture Rocks National Lakeshore	11,740
Black Canyon of the Gunnison	Black Canyon of the Gunnison National Park	15,599
Black Canyon Wilderness	Lake Mead National Recreation Area	17,220
Bridge Canyon Wilderness	Lake Mead National Recreation Area	7,761
Buffalo National River Wilderness	Buffalo National River	36,000
Carlsbad Caverns Wilderness	Carlsbad Caverns National Park	33,445
Chiricahua National Monument Wilderness	Chiricahua National Monument	10,680
Congaree National Park Wilderness	Congaree National Park	21,850
Craters of the Moon National Wilderness Area	Craters of the Moon National Monument & Preserve	43,243
Cumberland Gap	Cumberland Gap National Historic Park	12,191
Cumberland Island Wilderness	Cumberland Island National Seashore	20,558
Death Valley Wilderness	Death Valley National Park	3,164,878
Denali Wilderness	Denali National Park & Preserve	2,146,580
El Dorado Wilderness	Lake Mead National Recreation Area	26,250
Gates of the Arctic Wilderness	Gates of the Arctic National Park & Preserve	7,245,600
Gaylord Nelson Wilderness	Apostle Island National Lakeshore	33,500
Glacier Bay Wilderness	Glacier Bay National Park & Preserve	2,770,000
Great Sand Dunes Wilderness	Great Sand Dunes National Park & Preserve	75,225
Guadalupe Mountains Wilderness	Guadalupe Mountains National Park	46,850
Gulf Islands Wilderness	Gulf Islands National Seashore	4,600
Haleakala Wilderness	Haleakala National park	24,770
Hawaii Volcanoes Wilderness	Hawaii Volcanoes National Park	130,950
Indian Peaks Wilderness	Rocky Mountain National Park	2,917
Ireteba Peaks Wilderness	Lake Mead National Recreation Area	29,299
Isle Royale Wilderness	Isle Royale National Park	132,018
Jimbilnan Wilderness	Lake Mead National Recreation Area	18,879
John Krebs Wilderness	Sequoia-Kings Canyon National Parks	85,000
Joshua Tree Wilderness	Joshua Tree National Park	557,802
Katmai Wilderness	Katmai National Park & Preserve	3,500,000
Kobuk Valley Wilderness	Kobuk Valley National Park	190,000
Lake Clark Wilderness	Lake Clark National Park & Preserve	2,619,550
Lassen Volcanic Wilderness	Lassen Volcanic National park	78,982
Lava Beds Wilderness	Lava Beds National Monument	28,460
Marjory Stoneman Douglas Wilderness	Everglades National Park	1,296,500
Mesa Verde Wilderness	Mesa Verde National Park	8,500
Mojave Wilderness	Mojave National Preserve	695,200
Mount Rainier Wilderness	Mount Rainier National Park	228,480
Muddy Mountains Wilderness	Lake Mead National Recreation Area	3,521
Nellis Wash Wilderness	Lake Mead National Recreation Area	16,423
Noatak Wilderness	Noatak National Preserve	5,765,427
Olympic Wilderness	Olympic National Park	877,047
Organ Pipe Cactus Wilderness	Organ Pipe Cactus National Monument	313,840
Otis Pike Fire Island High Dune Wilderness	Fire Island National Seashore	1,380
Petrified Forest National Wilderness Area	Petrified Forest National Park	50,260
Phillip Burton Wilderness	Point Reyes National Seashore	25,952
Pinnacles Wilderness	Pinnacles National Monument	15,985
Pinto Valley Wilderness	Lake Mead National Recreation Area	39,173
Rocky Mountain National Park Wilderness	Rocky Mountain National Park	252,256
Saguaro Wilderness	Saguaro National Park	71,400
Sangre de Cristo Wilderness	Great Sand Dunes National Park & Preserve	41,676
Sequoia-Kings Canyon Wilderness	Sequoia-Kings Canyon National Parks	737,080
Shenandoah Wilderness	Shenandoah National Park	79,579
Spirit Mountain Wilderness	Lake Mead National Recreation Area	32,913
Stephen Mather Wilderness	North Cascades National Park	634,614
Theodore Roosevelt Wilderness	Theodore Roosevelt National Park	29,920
Wrangell-Saint Elias Wilderness	Wrangell-Saint Elias National Park & Preserve	9,078,675
Yosemite Wilderness	Yosemite National Park	704,624
Zion Wilderness	Zion National Park	214,406

Appendix E: NPS Recommended Wilderness

(Source: NPS Wilderness Stewardship Database, August 2010)

Park Unit	Recommended Acreage	Recommended Potential Acreage
Arches National Park	70,008	9,050
Assateague Island National Seashore	5,200	4,760
Big Bend National Park	583,000	44,750
Bryce Canyon National Park	20,810	---
Canyonlands National Park	278,420	18,270
Capitol Reef National Park	183,865	4,050
Cedar Breaks National Monument	4,830	
Colorado National Monument	14,779	937
Crater Lake National Park	127,058	---
Craters of the Moon National Monument & Preserve	396,696	---
Cumberland Gap National Historical Park	14,091	1,900
Dinosaur National Monument	210,727	10,274
El Malpais National Monument	97,428	11,161
Glacier National Park	930,910	3,360
Grand Teton National Park	143,454	20,850
Great Smoky Mountains National Park	390,900	52,286
Yellowstone National Park	2,032,731	---