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**Baxter State Park
Annual Operating
Report
For the Year 2012**

**To the
Baxter State Park
Authority**

May 17, 2013

Contents

Dedication – Roy Farnsworth	8
2012 Annual Report - Director's Summary.....	9
2012 General Overview	9
Baxter State Park Authority	10
BSP Committees	11
Huber Parcel Gift and Assimilation Plan.....	12
Revised Fire Plan	12
DOL Safety Audit Resolution.....	12
Tote Road Grooming Contingency Request	13
BSP Management Plan	13
SFMA Management Plan	13
Clark Guide	13
Headquarters Projects.....	14
Foster Field	14
Annual Budget and Biennial Budget	14
Rule Change – Hiking Group Size.....	15
Media Policy	15
Trail Relocation – OJI Trail	16
Park Website Revisions	17
Hunt-Abol Trail/Thoreau Spring Trail Review	18
Thoreau Spring Plaque	18
Friends of Baxter State Park	20
B. Operational Highlights And Overview for 2012	23
I. SAFETY.....	24
II. PUBLIC RELATIONS.....	25
III. Maintenance 2012	25
Purchases	25
Building Projects	26
SFMA	26
Road Projects	26

Bundle Wood	27
Maintenance Shop Projects	27
IV. SEARCH AND RESCUE.....	28
V. SPECIAL ACTIVITIES	28
VI. LAW ENFORCEMENT.....	29
VII. FACILITY AND RESOURCE MAINTENANCE	29
A. PARK RANGERS	29
B. CAMPGROUNDS.....	31
ABOL.....	32
KATAHDIN STREAM:.....	32
DAICEY POND	32
KIDNEY POND:.....	32
NESOWADNEHUNK:.....	32
SOUTH BRANCH POND.....	32
TROUT BROOK FARM.....	332
ROARING BROOK.....	33
CHIMNEY POND:	33
RUSSELL POND	33
ROVING RANGERS:.....	34
C. GATEHOUSES.....	34
XII. 2012 VOLUNTEER PROGRAM.....	34
TRAIL MAINTENANCE REPORT – 2012	35
BAXTER STATE PARK TRAIL CREW INTERNS.....	35
STATISTICS.....	35
TRAIL STAFF WORK HOURS.....	35
TRAIL VOLUNTEER WORK HOURS.....	35
Statistical Overview.....	36
Alpine Restoration.....	38
Abol and Hunt Trails: Thoreau Spring Area.....	38
Saddle Trail:.....	39
Bog Bridges	39

Bridge Construction.....	40
Clearing Blowdowns.....	40
Erosion Control and Tread Hardening.....	40
Chimney Pond Trail: Rock Staircase	40
Chimney Pond Trail: Ditch and Drain	40
Hunt Trail (BSP):	40
Hunt Trail (MATC):	41
Katahdin Lake Trail: Causeway.....	41
North Katahdin Lake Trail: Sidehill Bench Cut and Grubbing	41
Mount OJI Trail: Rip-Rap	41
National Trails Day	42
New Trail Construction/ Trail Re-Route – 2,530 Hrs.....	42
Trail Stewards.....	43
Waterbars and Water Diversion – 500 Hrs.	44
Trail Volunteers.....	45
Notes.....	46
2012 ADMINISTRATIVE SERVICES STAFF.....	488
RESERVATIONS:.....	488
WEBSITE	499
CONTRACTED SERVICES	50
POSITION CHANGES	50
NEW HIRES	50
RE-HIRES:.....	50
RESIGNATIONS/LAYOFFS:	51
PROMOTIONS/TRANSFERS:	51
YEAR-ROUND POSITIONS	51
Seasonal Positions.....	51
Organizational Chart.....	53
How do I make Reservations?.....	54
BSP FISCAL YEAR ENDING JUNE 30, 2012	57
Executive Summary: FY12 Annual Work Program	58

2012 Information/Education Division.....	67
2012 Programs-Introduction.....	68
2012 Program Series Evening Programs in the Park:.....	68
Children’s Programs in the Park.....	70
Children’s Programs – Millinocket Memorial Library	71
Park Outreach Programs.....	71
In-House Trainings Offered or Hosted	72
Information/Education Projects	72
Park Newspaper	72
Project Wild Aquatic	73
Volunteers.....	73
BSP Flora	73
BSP Katahdin Guide (formerly Clark Guide).....	73
2012 Education Issues.....	73
Bear Problems:.....	73
Invasive Aquatic Plants – Introduction of Salt Water Buckets.....	74
Upcoming Hiking Group Size Limit Regulation Change	74
Media	75
Seasonal Staff.....	75
2012 Wilderness Educators	75
2012 Togue Pond Visitor Center	77
2012 A.T. Steward and 2012 A.T. News.....	77
Research & Special Permits	79
Monitoring/Inventory	80
American Pipits	80
High Elevation Bird Surveys	80
2012 Katahdin Arctic Butterfly Survey.....	81
Maine Audubon Loon Count.....	81
Mountain Plant Watch.....	81
Miscellaneous Surveys and Patrol Programs.....	82
Aquatic Plant Surveys:	82

Purple Loosestrife Surveys	82
Moose Patrols	82
Mountain Patrol	83
Training Received/Conferences & Meetings Attended/Assorted Field Patrols.....	84
Conferences/Training Received	84
Meetings	84
Partial List of Field Patrols.....	84
Miscellaneous	85
Loons Keep Us Guessing!	85
The Outhouse Owl	85
Spiders of Mount Katahdin Published	86
Naturalist Adventure Pack Drawing	86
SFMA 2011 Annual Report.....	87
Forest Management Planning	87
2012 Silvicultural Operations.....	89
Harvest Volumes, Revenues, and Costs.....	90
Monitoring.....	90
Maintenance Operations	92
Demonstration, Education, and Research.....	92
SFMA Advisory	93
Certification	93
APPENDICES	94
Operational Highlights and Overview	95
Information/Education	102
BSP Use Stats.....	140
BSP Advisory Committee Rosters	154
BSP Mission Statement	159
I. OPERATIONAL HIGHLIGHTS AND OVERVIEW	95
SAR Rescue and Injury Log	96
BSP LE Courtesy Warnings.....	98
USAC Court Cases.....	99

2012 VOLUNTEERS.....	100
INFORMATION AND EDUCATION APPENDIX	102
Loon Count Volunteers.....	103
Loon Count.....	103
Moose Patrols.....	104
Mountain Patrols.....	106
Anne Huntington.....	110
Julia Day- Water Temperatures.....	113
Long Distance Hiker Stats.....	118
Sarah Nelson - Water Research.....	120
BSP USE STATS	139
Comparative Stats – Visitor Days – 2003-2012	140
Total Camper Nights	141
Comparative Stats – Gate House – 2003-2012	142
Gate Counts – People Per Month	143
Gate Counts – People Per Gate.....	144
Gate Counts – Vehicles Per Month	145
Gate Counts – Vehicles Per Gate	13946
Trail Use Summary – Registered Hikes Per Person Per Trail.....	13947
Snowmobile Activity Report	13953
PARK ADVISORY COMMITTEE ROSTERS.....	1544
BSP Authority	1545
BSP Advisory.....	155
BSP Advisory Standing Sub-Committees.....	1546
Director’s Research Committee	1547
BSP SFMA	1548
BSP MISSION STATEMENT.....	159

Dedication – Roy Farnsworth



At their scheduled public meeting in January of 2012, the Baxter State Park Authority thanked Dr. Roy L. Farnsworth for his many years of volunteer service to the Park and presented a plaque with the following wording:

DR. ROY L. FARNSWORTH

In recognition of your many years of dedicated service to Baxter State Park as a Baxter State Park Advisor, and Scientific Forest Management Area Advisor.

Your dedication to the wilderness and forests of Baxter State Park is sincerely appreciated.

Baxter State Park Authority
January 12, 2012

On July 18, 2012, Roy passed away and Baxter State Park lost a tireless volunteer, teacher, advisor and supporter. For more than twenty years, Dr. Roy L. Farnsworth contributed to the Park as a member and Chair of the Baxter State Park Advisory Committee and a member of the Scientific Forest Management Committee. Although Roy's contributions regarding the geology of the Park were very helpful in Park management, he will be remembered and appreciated as much for his positive spirit, helpful demeanor and true commitment to the Park and volunteering.

2012 Annual Report - Director's 2012 Summary

*Mountains should be climbed with as little effort as possible and without desire. The reality of your own nature should determine the speed. If you become restless, speed up. If you become winded, slow down. You climb the mountain in an equilibrium between restlessness and exhaustion. Then, when you are no longer thinking ahead, each bootstep isn't a means to an end but a unique event in itself. This leaf has jagged edges. This rock looks loose. From **this** place the snow is less visible, even though closer. These are the things you should notice anyway. To live for some future goal is shallow. It's the sides of the mountain which sustain life, not the top. Here's where things grow...*

Robert Pirsig; Zen and the Art of Motorcycle Maintenance.

2012 General Overview

2012 was a good year for the Park, including a number of important events and significant strides in policy and management. As always, our success is due to our actions, both as individuals and as a team. The Park has a great staff of dedicated professionals. We are fortunate to work in such a beautiful environment and this beauty inspires us further to ensure the protection and management of the Park in "the right, unspoiled way".

On a day-to-day basis, the dedication, imagination and work ethic of the Park's administrative team is very much appreciated.



Baxter State Park Authority

Maine Forest Service Director Doug Denico continued as chairman of the Baxter State Park Authority in 2012, working with **Maine Attorney General Bill Schneider** and **IF&W Commissioner Chandler Woodcock**. The Authority held public meetings to conduct the Park's business in January, March, May and October with the October meeting being held at Kidney Pond Campground in the Park.



At the October meeting, Authority member and IF&W Commissioner Chandler Woodcock presented the Park with a David Footer 2012 Commissioners Print (photo above). The print is absolutely beautiful and is hanging in the small conference room outside the Directors office.

BSP Committees

The **Baxter State Park Advisory Committee** continues to provide valuable volunteer feedback to administrative staff as we work through issues and projects in the mission of the Park.

Carla Ritchie continued as Committee Chair, assisted by **Vice-Chair Rick Bray**.

There were additions to the committee in 2012. **Bruce Hancock** resigned from the committee late in the year due to a planned move out of state. The BSP Advisory consulted and provided feedback and advice on almost every issue the worked on during the year including:

- Vista/Open Area Management
- Invasive/Exotic Plant and Animal Response Plan
- Huber Lot Assimilation Plan
- BSP Media Policy
- BSP Website Revisions
- Trail Inventory Data and planning

- BSP Operational Budget
- Rule Change - Group Hiking Size

Advisory members also provide time for several field excursions in the Park including a site visit to the Huber Parcel on Katahdin Lake in June, a hike to Thoreau Spring to review issues on the Hunt and Abol Trails in August, and a field review of open areas and vistas on the Park Tote Road in September.

The **BSP Investment Committee** met several times in 2012. The committee continues under the excellent chairmanship of **Brian Noyes** with the participation of **Carl Gercke, Chris Nelson, Steve Hutnak, Rupert White, John Loyd, and Carla Ritchie** (BSP Advisory Chair). **Michael Boyson** resigned from the investment committee early in the year due to time commitments.

The Boston-held Park Trust Funds continue to be administered by **Michael Janko** of Bank of New York Mellon and the State-held Trust Funds were administered by State Treasurer **Bruce Poliquin**.

The **SFMA Advisory Committee** remained active in 2012 under the leadership of **BSP Resource Manager Rick Morrill and SFMA Advisory Chair Alison Dibble**.

At their May meeting the BSP Authority confirmed reappointments for an additional term to **Barrie Brusila, Rob Bryan, Dave Clement, Alison Dibble, and Joe Wiley**. For more about this committee, see the SFMA section of this report.



The **BSP Research Committee** also continued to work with the Director and Park Naturalist on reviewing research proposals in BSP. There were no changes in membership in 2012. For more about this committee, see the I&E section of this report.



Sherry Huber at the Huber Gift Presentation Ceremony at the Maine State House.

Huber Parcel Gift and Assimilation Plan

This winter the Park was the grateful recipient of a generous gift of 143 acres of land along the southeast shore of Katahdin Lake. The Huber Corporation and Family donated this land to Baxter State Park at the January 17 meeting of the Authority in Augusta. The meeting was followed by a public event held in the Capitol Rotunda. The parcel of land includes 14 acre

Rocky Pond, the historic “painter’s beach” and the outlet of Katahdin Brook.

After several thorough examinations of the parcel with administrative staff and BSP Advisors, we completed a plan for the assimilation of the Huber parcel into the management of the Park. The assimilation plan was approved by the Authority at their October meeting at Kidney Pond. The planning process sought to identify and consider all existing options and issues regarding this property and to arrive at a plan for the most appropriate set of actions that would seamlessly integrate this new parcel into the Park as a whole. We want to thank **Jim Page and Holly Hamilton** for their positive and thoughtful contributions as respective adjoining landowner and manager. Most of all, we would like to thank the Huber Corporation and Family for this generous gift to Baxter State Park and Maine people. The plan can be viewed and read on-line on the Park’s website. Follow the menu bar to “More” and then to “Park Reports” .

Revised Fire Plan

After a year of work by Park and Maine Forest Service staff, we completed a significant revision of the Baxter State Park Fire Plan. This plan further articulates the communication network and decision protocols in the case of a significant Wildland fire in the Park. **Chief Ranger Ben Woodard** served as lead for the Park in this project and we would like to thank **Regional Ranger Bill Greaves** and **District Ranger Joe Mints** for their professional and knowledgeable teamwork in the revision effort.



BSP Advisors and Staff at Katahdin Lake

DOL Safety Audit Resolution

During the summer of 2011 the Park was visited by the Department of Labor’s Safety Division for a workplace safety audit. This audit revealed a number of actions the Park needed to take to improve safety in the workplace. Necessary corrections were generally minor and included shielding light bulbs, labeling bottles and documenting fire extinguisher and maintaining guards on equipment. **Chief Ranger Ben Woodard** and **Maintenance Supervisor Rod Angotti** deserve recognition for their efforts to maintain a safe workplace as the DOL auditors expressed surprise at how few corrections were noted in the audit of an agency with no previous audit history. The operations crew got to work and with significant work by many people, particularly **Craig Kennedy** and **Matt Martin**. We made all the corrections and in February of 2012 we received a clean bill of safety health from the Dept. of Labor. Safety isn’t an occasional occurrence, but is a continuous effort and a way of thinking. We will continue to work to make safety a permanent part of our normal work routine.

Tote Road Grooming Contingency Request

At the January meeting of the Authority, **Maine representative Ricky Long of Sherman**, asked the Authority to consider implementing a “contingency plan” for grooming the Park Tote Road for snowmobile traffic in the event that existing north-south snowmobile routes east of the Park boundary should be discontinued or otherwise unavailable. The Authority tasked the Park Director to review the issue and provide a recommendation to them. The Director provided a recommendation at the October meeting. The Authority tabled the issue at the October meeting and will bring it back for consideration sometime in 2013. The recommendation can be viewed on the Park website on the Meeting Information Page under the tab for the October 5, 2012, Authority meeting.

BSP Management Plan

At their March meeting, the Baxter State Park Authority approved the Baxter State Park Management Plan. This plan had been in the preparation and draft stage for 2 years. The plan includes over 60 “Action Items” that will drive our management work for the next decade or so. Consisting of well over 350 pages, the management plan was designed to be a continuously changing document and consequently only a limited number of hard copies were printed. Since the plan's approval in March, several important action items have been addressed and resolved. The digital copy of the plan that resides on the Park's website reflects the new information and policy resulting from the continuing work on the plan. An addendum page at the back of the plan documents the changes incorporated into the plan following its approval in March of 2012. The document is currently available on the Park website (from the Homepage, go to: More/Park Reports).

SFMA Management Plan

The Authority also approved a significant revision to the Scientific Forest Management Area Management Plan at the October 5, 2012 meeting at Kidney Pond. This plan will be discussed in detail in the SFMA section of this report, but reflects the excellent work of **Resource Manager Rick Morrill** in the continuing management of the SFMA.

Clark Guide

After the 2011 purchase of the well known “Clark Guide”, more accurately known as ***Katahdin, A Guide To Baxter State Park and Katahdin*** from the guide's **author Steve Clark**, we spent some time in updating and editing the guide before releasing the 7th edition under the slightly amended title “***Katahdin. A Guide to Baxter State Park***” during the summer of 2012. The revised guide includes a very nice revised Baxter Park map – this time printed on durable paper. I want to thank the many Park staff (too many to list and I am fearful I would forget someone) who edited and re-edited the guide for typos, outdated trail info etc. The revised guide, now owned by the Baxter State Park Authority, will be regularly updated and reissued, providing generations of future Park hikers and campers an accurate guide to the trails, campgrounds and other areas of interest in the Park.

Headquarters Projects

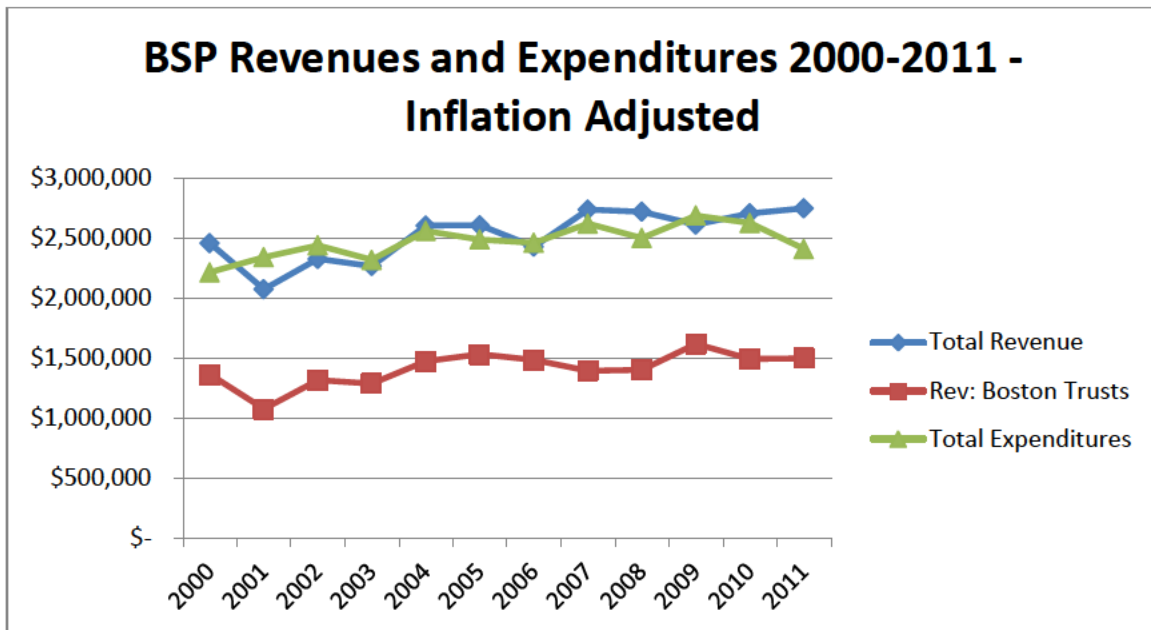
The summer of 2012 was a very busy one for the BSP Maintenance Division under the leadership of **Rod Angotti**. The Park undertook two ambitious projects. The installation of a propane generator to provide emergency power to Park Headquarters was completed late in 2012. This system provides insurance that in the event of a power outage of significant or substantial duration, particularly during the busy summer camping season, the power, light, heat and computer systems, including the server and reservation system, housed at Park Headquarters will continue to function. In tandem with the installation of the emergency power generator, the Park replaced the aging wood furnace in the Park maintenance garage with a state-of-the-art pellet heating system to provide heat to the maintenance garage and the Headquarters building. This system is projected to provide heat to these facilities at approximately half the operating cost of the oil furnace (retained at Park HQ as a back-up system) and should pay for itself in about 10 years, while significantly improving the local air quality around the Headquarters campus. Park employees **Frank George** and **Matt Martin** deserve recognition for their hard work in accomplishing these projects in allotted timelines.

Foster Field

The restructuring of the Foster Field Group Camping Area was completed early in 2012 and received very well by returning Park campers, many of whom have camped at Foster Field for many years. The restructured campground now provides shelters for camp groups and has clustered all three group camping sites, parking and outhouse facilities on the east side of the Park Tote Road, eliminating posed by the Tote Road running through the center of the Campground. **Park Ranger Bruce White** and **BSP Advisory Vice-Chair Rick Bray** deserve recognition for the primary design of the restructuring.

Annual Budget and Biennial Budget

Budgets for Fiscal Year 2013 (July 1 2012 – June 30, 2013) and the Fiscal Years 2014-15 Biennial Budget (July 1, 2013 – June 30, 2015) were approved by the Baxter State Park Authority at their May and October meetings, respectively. The Park continues a long tradition of careful and conservative management of the Park budget and trust funds as indicated by the following chart depicting Park revenues and expenditures over time.



Rule Change – Hiking Group Size

At their May meeting, the Baxter State Park Authority approved wording for a rule change to Park Rule 2.1. We will be working to replace the existing Rule 2.1, requiring hiking groups larger than 12 persons to register their hike, with new wording that limits hiking group size to 12 persons or less. A wide variety of group users (youth camps, sporting camps, scouts, church groups, outing clubs etc) have been informed of the coming change. We hope to have this rule in place by the 2013 summer season.

Media Policy

At the October meeting, the Authority approved a significant revision of the Park's Media Policy. This policy governs media activities in the Park defined as:

For the purposes of this policy 'media projects' include any projects internally or externally generated including, but not limited to, written, audio, photographic, paint, and film mediums creating product by either for-profit or non-profit entities, involving the use or application of talent, professional crew, props, product or service advertisement and intended for commercial profit and/or copyrighted or proprietary public distribution (groups or individuals other than family and friends).

The revised policy aligns media projects conducted within the Park squarely with the Park Rules and Regulations and with the mission elements of the Park. This policy denotes a significant change from the previous policy and it is expected that it will take from one to three years for visitors conducting media activities within the Park to adjust to the revised policy. The media policy and permit application can be viewed and downloaded from the Park website under More/Media in the Park.

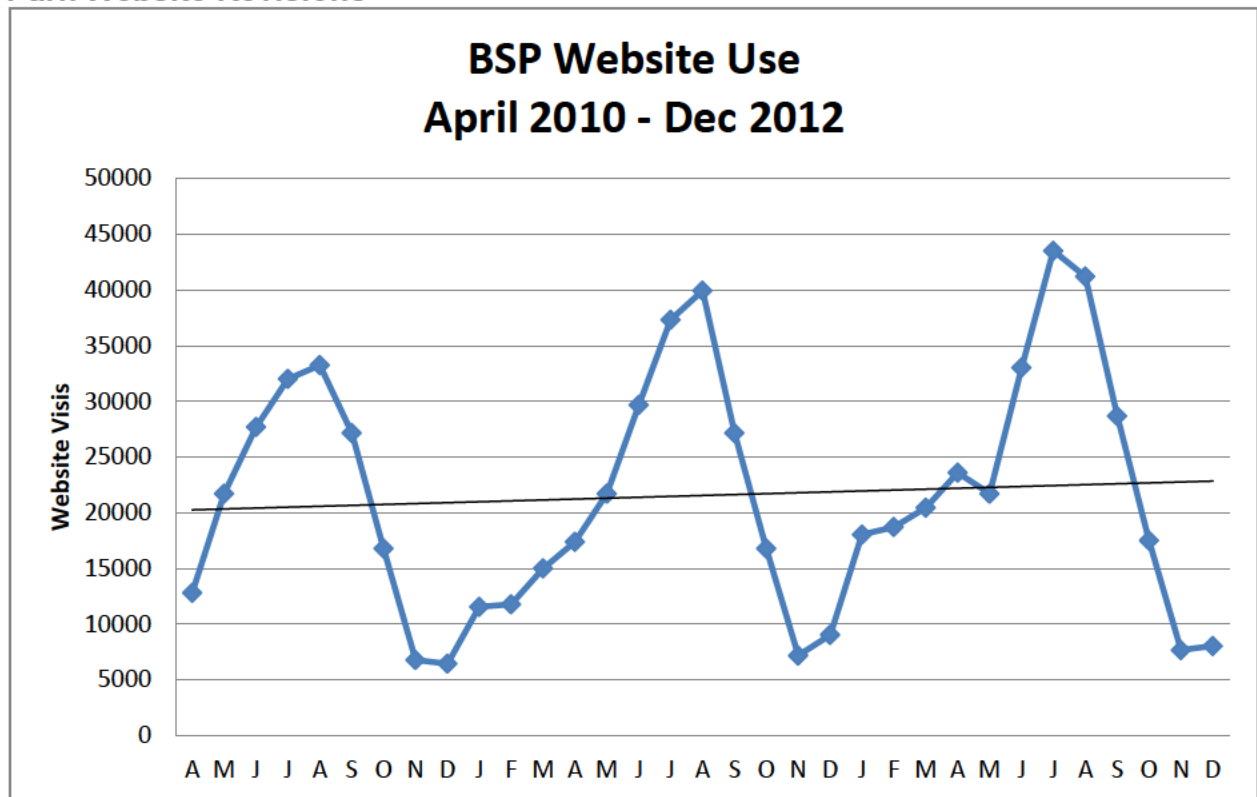
Trail Relocation – OJI Trail

In 2012, the Park embarked on what I hope can become a two decade effort committed to redesigning some of the more eroded fall-line trails in the Park. After several decades of labor intensive trail hardening efforts on the heavily used Chimney Pond/Saddle and parts of the Cathedral and Hunt Trails above treeline, we began considering eroded sections of trail below treeline, including sections of the Hunt, OJI, Marston, North Brother, and North Traveler trails. In comparison with decades long efforts to harden fall-line sections of trail on each of these routes, we concluded that a concerted one or two year effort to relocate the trail to a considered design location that incorporated acceptable trail grades in stable or more stable terrain, would provide not only a more enjoyable experience for hikers, but significantly reduce long term trail maintenance needs and erosion concerns.

We began this effort in 2012 with a section of the OJI trail. The relocation effort will lengthen the overall trail distance, but will eliminate the hazardous south slide and provide a trail that hikers of moderate ability can safely enjoy. Following grades of 12 percent or less in general and utilizing switchbacks in steep terrain, we hope to substantially reduce overall trail

maintenance requirements on the relocated section. In addition, the new location provides spur access to West Peak and other great view points. With logistics and oversight by **BSP Trail Supervisor Paul Sannicandro**, Maine Conservation Corps crews worked for nine weeks on the relocation, completing the majority of the new trail. The remaining trail section, in steep terrain and some krummholz, is planned for completion in 2013.

Park Website Revisions



After an extensive and very successful revision of the Park's website in 2009-10, we once again took some time to review the now very comprehensive pages that comprise the Park's website. The importance of the Park website as a vehicle for providing information, education and services to Park visitors and others interested in Baxter Park has continued to grow. The use of the website, as charted in the graph above, has increased steadily over the last 3 years. Although we are constantly adding information and available services (day-use parking and camping reservations, on-line reservation capability, etc.), it is likely that the site will benefit from a comprehensive review every 3 years or so. The feedback, suggestions and input of the Baxter State Park Advisory Committee was instrumental in the effective revision of the website in 2012

Hunt-Abol Trail/Thoreau Spring Trail Review

On Tuesday, August 21, I was accompanied by BSP Staff **Rick Morrill** and **Jean Hoekwater** as well as **BSP Advisors Carla Ritchie, Laurie Nale and Tom Goetz** on a hike to Thoreau Spring to review continuing issues surrounding the rare sedge meadow habitat and efforts to rehabilitate braided and eroded hiking trail in the area of Thoreau Spring. The Park has been looking carefully at this issue for over three years and with this recent visit, we have resolved our work plans for the next 10 years. Expect to see some additional string fencing on the section of the Abol Trail near Thoreau Spring, as well as some unobtrusive, but informative signs in the area to educate visitors to resource concerns and appropriate actions. Other concise but minor trail work in the area will be undertaken with the next year. The complete guidance for this effort can be viewed on the Park website under More/Park Meeting Information – BSP Advisory/December 13, 2012 meeting materials.



BSP staff and Advisors discuss options at Thoreau Spring

Thoreau Spring Plaque

In 1846, Henry David Thoreau ascended from a nearby campsite on the West Branch of the Penobscot toward what is now known as Baxter Peak. It seems clear that Thoreau



Nale, Ritchie, Bissell, Goetz, and Hoekwater on Tableland

climbed a significant part of the way toward the peak and almost assuredly above treeline, most likely ascending near the current Abol Slide or somewhere between Baxter Peak and South Peak, but poor weather prevented Thoreau from reaching the summit. Thoreau's subsequent writings about his experience on Katahdin and in the Maine Woods had a great and lasting effect on people's view of the region. Fannie Hardy Eckstorm wrote of the influence of Thoreau's writing, "So, though, he was neither woodsman nor scientist, Thoreau stood at the gateway of the woods and opened them to all

future comers with the key of poetic insight. And after the woods shall have passed away, the vision of them as he saw them will remain.... Indeed, this whole description of Katahdin is unequalled."

Nearly eighty years later in 1924, Percival P. Baxter concluded his political career after failing to win the Republican party's nomination over Owen Brewster of Dexter, Maine. Brewster went on to become Governor of Maine and in 1925 he climbed Katahdin with great fanfare as the first sitting Governor to climb Katahdin. The site of the spring at the

junction of the Abol and Hunt Trails was christened “Governor’s Spring” in 1925 and demarcated by an engraving on a rock near the spring that read:

“Governor’s Spring

Named in honor of Gov. Ralph O. Brewster,
the first sitting Governor to climb
Katahdin while in office.
Willis D. Parsons, Comr.

Later in his career, Brewster used photos of his climb to help promote his proposal to create a national park centered around Katahdin. Brewster’s national park proposal arose during Baxter’s work to create the Park and Baxter worked ceaselessly for two years to defeat the proposal. In 1933 Baxter completed the purchase of the first parcel of what would eventually become Baxter State Park. Baxter directed that “Governor’s Spring” be renamed “Thoreau Spring” and he directed that a plaque be installed in a location near the spring. This was installed and a photo of the plaque exists in the Park’s archives. It can be assumed that the original chiseled demarcation of Governor’s Spring was removed at this time for it is no longer extant at the site.

Sometime over the years, the original 1933 plaque was stolen or removed. On August 22, 2012, almost eighty years again from the date of the installation of the original plaque and more than 160 years from Thoreau’s ascent of Katahdin, we installed a replacement plaque for Thoreau Spring. The wording is identical to the original as specified by Percival Baxter. The day was windy and cool with clouds obscuring the landscape from time to time – a typical day on the Tableland.



Thank you to **Bill Greaves of the Maine Forest Service and MFS pilot Lincoln Mazzei** for their critical support in this effort – this would not have been accomplished without their help. BSP Resource Manager Rick Morrill was also a great work mate in this mission.

Let's hope that this plaque remains in place for at least another 80 years.

Friends of Baxter State Park

- **Baxter Park Flora Project**

The Friends of Baxter State Park continued to provide helpful support to Park initiatives and operations. Continuing under the leadership of Friends President, **Barbara Bentley**, FBSP has dedicated support to the initiation of an inventory of the Flora of Baxter State Park. (See I&E Section for more info on this project). A primary objective of the Flora Project is to provide a comprehensive and complete listing of the plants that can be found within the boundaries of Baxter State Park. This listing will enable the Park to better protect and manage the landscape in accordance with the Deeds of Trust (it's hard to protect what you don't know you have...). The Flora project will require many years to complete and it is hoped that the project can be capped with the publication of a Guide to the Flora of Baxter State Park – available to visitors and others interested in learning more about the vegetation of the Park.

- **Contributions**

FBSP continued to support Park operations with unsolicited and undirected contributions. Contributions provided by the Friends were applied in part to the OJI Trail Relocation Project and the purchase of a titanium litter for search and rescue evacuations. In 2012, FBSP continued its Maine Youth Wilderness Leadership Program in the Park, providing a enriching back and frontcountry experience for 10 Maine teens. The Park and FBSP also continued our collaborator effort on the production of the Baxter State Park Calendar. Lastly, the Friends has supported the Park's volunteer program through the assistance of FBSP volunteer coordinator **Laurie Rich**. Laurie's tireless efforts to provide and support FBSP volunteers in the Park helped improve the productivity, safety and effectiveness of the BSP Volunteer Program.

- **Governor Baxter Day in Portland**

On August 22, I was pleased to participate in Governor Baxter Day in Portland. This event, organized by the Friends of Baxter State Park, the City of Portland Parks and Forestry Department, the Maine Historical Society, the Portland Museum of Art, the Friends of the Eastern Promenade and the Friends of Evergreen Cemetery, provided a celebration of all things Baxter marked by the 50 year anniversary of the final gift of land by Percival Baxter in August of 1962. There were many events throughout the day beginning at Mackworth Island and ending at the Maine Historical Society on Wednesday evening. Many members of the Baxter family attended the evening reception. After remarks from the Park Director and a slide presentation by authors **Howard Whitcomb and John Neff**, the day's events were concluded by a talk from the Rough Rider himself – President Theodore Roosevelt – or at least the spot –on representation of TR provided by **Joe Wiegand**, who traveled to the Park the following evening for a presentation at Kidney Pond.

One of the highlights of the day was the unveiling of the new “Mayor Baxter Woods” sign to welcome visitors to the 30 acres of forest donated to the City of Portland by Percival Baxter's father James Phinney Baxter, six term Mayor of Portland. After a period of neglect, the Baxter Woods have been restored to a popular and peaceful forest oasis within the bustling city, with particular attention from **Jeff Tarling**, City Forester for the Portland Parks and Forestry Department. With the help of **Craig Kennedy and Paul Sannicandro**, the Park provided a standard Park format entrance sign for Mayor Baxter Woods – to represent the link between the smaller park to the south and our much larger park in the north, as well as the continuing commitment of the Baxters to provide Maine people the opportunity to experience the peace and tranquility of forests.



Eric Baxter speaking at the Governor Baxter Day Reception



On the back of the sign is a small plaque that denotes the Park's role in providing the sign. The plaque reads:

"Sign made by Baxter State Park in collaboration with the City of Portland as an expression of our shared recognition of the contributions of James Phinney and Percival P. Baxter and their families in providing forests, both large and small, for the enjoyment of Maine People."

B. Operational Highlights And Overview for 2012



Mount Coe and OJI as seen from the west.
Photo courtesy of Stewart Guay

I. SAFETY

Noteworthy safety oriented activities in 2012 include:

1. Snow was removed at the Millinocket facilities and sanding of all entrances and walkways was performed.
2. Park Rangers check and report both lake and pond ice conditions in December, January, February and March. Typically, bodies of water checked are: Lower Togue Pond, Lower Basin Pond, Chimney Pond, Matagamon Lake, South Branch Ponds, Pogy Pond and any others that are necessary to cross for winter operations.
3. All chimneys and woodstoves were cleaned of soot and ash.
4. All fire extinguishers were inspected and re-certified for the year and checked on a monthly basis.
5. Park visitors were informed daily of weather and hiking conditions. Mountain Patrol personnel hiked Katahdin during heavy use periods to assist, aid, and inform hikers of Katahdin trail conditions and environmental concerns.
6. To enhance resource protection as well as public safety, Park Rangers performed a number of focused and assigned alpine trail patrols in the spring of the year. These assessments were integral in the timely opening and closure of Katahdin and Traveler trails.
7. Wind thrown trees were removed from the Park Tote Road and trails on a routine basis.
8. All boats, flotation devices and canoes were checked for serviceability and repaired or replaced as needed.
9. Maine Search and Rescue teams (Mount Desert Island, Franklin, Wilderness, Mahoosuc and Lincoln) covered busy weekends in May, June, July, August, September and October.
10. All cabins, tent sites, lean-tos, outhouses and all other Baxter State Park facilities were inspected for safety and serviceability.
11. All campfire rings were inspected to meet Baxter State Park fire safety standards.
12. Wildfire suppression equipment was tested and inspected Park wide.
13. All search and rescue equipment was inspected to assure rescue readiness.
14. Baxter State Park personnel were involved in 54 search and rescue incidents.
15. Smoke and carbon monoxide alarms were inspected and replaced as needed.
16. 19.4 miles of trail were re-blazed for better hiker visibility.
17. Corridor definition was completed on seventeen miles of trail to enhance visibility and safety.
18. Annual safety, chainsaw, search and rescue, first aid and wildfire suppression training was provided for Baxter State Park personnel. The list grew this year to include fall protection, scaffold assembly, fire extinguisher, avalanche hazard assessment and water rescue training.
19. Law enforcement rangers received firearms usage and safety training.
20. Bridges on winter administrative snowmobile trails were shoveled regularly to reduce over load and tipping hazards.
21. The 2-way radio communications equipment was repaired and replaced to enhance search and rescue operations. Additionally, new narrow band compliant

radios were purchased and installed in order to comply with upcoming FCC mandates. All Baxter State Park radios were re-programmed to comply with FCC narrow banding requirements.

22. The Maine Forest Service located a wildfire suppression fire engine in the Togue Pond Area to better enhance area emergency wildfire response.
23. Avalanche hazard detection refresher training was hosted at Chimney Pond on January 25 and 26 and was attended by BSP Staff.
24. Baxter State Park continued to work closely with its Medical Director Dr. Diaz in the review of all medical related search and rescue incidents.
25. Rangers looked after staff and visitor safety while dealing with a persistent beggar bear.

II. PUBLIC RELATIONS

1. Baxter State Park personnel within the Park made multiple contacts with at least 63,693 people from May to October in 2012. This does not include numerous day use contacts at Togue Pond Beach, Matagamon Picnic Area, snowmobile riders, ice fishermen, winter campers and hunters in the Scientific Forest Management Area.
2. Baxter State Park employees assisted the public by rendering numerous services that included: transporting hikers, delivering messages, minor vehicle repairs and vehicle jump starts. Information on scenic views, trail conditions, wildlife settings, good fishing locations and similar topics was daily passed on to the public.
3. As mentioned above in safety, a persistent beggar bear motivated ranger staff to work closely with Park visitors so as to discourage the bear by eliminating opportunities to acquire human / non-native foods. This was a concerted PR effort that required patience and constant vigilance.
4. The Alpine Stewards greeted and assisted hundreds of hikers on Katahdin.
5. Baxter State Park staff participated in occasional speaking engagements throughout Maine and in the Park to assist the Interpretive Division.

III. Maintenance 2012

Purchases

1 new GMC 4x4 truck for the Law Enforcement staff
1 new chain saw for Katahdin Stream
2 gas refrigerators for the North Branch camp and the Spike camp at Roaring Brook
2 woodstoves for Kidney Pond + Roaring Brook ranger stations
Hydraulic engine hoist for the maintenance shop
1 600cc wide track and 1 600cc super wide track snow sleds for field staff
Backup generator for the headquarters building
Pellet boilers to heat the Headquarters building and Maintenance shop
Lockout tag out station to house locks used in the zero energy policy
Sander and a nail magnet for the carpentry shop
Battery charger for the Trout Brook Farm shop
Brake tubing flaring tool for the Maintenance shop

Building Projects

Headquarters in Millinocket

- Installed a new overhead projector in the Headquarters conference room
- The upstairs bathroom was remodeled to meet accessibility requirements
- A backup generator system was installed at the Headquarters building
- Pellet boilers were installed at the Maintenance shop these heat the shop and the Headquarters building.

South end of the Park

- Replaced railings and steps on cabin #5 at Daicey Pond and #3 at Kidney pond
- Redesigned and shingled the roof on the Daicey Pond library
- Replaced roofing on the #2 cabin at Daicey Pond
- Installed a new septic system at the Lower Togue Pond camp
- The Foster Field relocation was completed this season with the reclamation of the old road, ditching to eliminate puddles and facilitate run off and addition of screened gravel to shape the entrance and parking areas.
- A 500 gallon propane tank was replaced at the Abol Field camp when a leak was discovered
- 90% of the copper plumbing at the Abol Field camp was replaced with pex tubing

North end of the Park

- Replaced windows and siding on the Russell Pond ranger camp
- Outhouse and campsite at Fowler Pond were relocated
- Stairs to the Matagamon boat launch were replaced
- Installed metal roofing on the picnic shelter at Trout Brook Crossing
- A new water heater was installed at the Trout Brook Farm campground rangers camp

SFMA

- The shower was replaced in the large camp at the Hemlock site.

Road Projects

- University of Maine engineering students assisted the Maintenance Supervisor by doing the engineering and design work for replacement of the Black Brook culvert and Wadleigh Brook bridge as a Capstone project.
- 3.5 miles of Park road had the brush cut back to a height of 12 feet by a contractor. The area covered was from the Nesowadnehunk campground to the Double culvert bypass turn. Cost for the brushing averaged approximately \$3000/mile. This area was primarily spruce and fir and one of the thickest spots alongside the park road.
- Spring road damage was minimal again this year. The fall ditching on and above Abol hill appears to be paying dividends.
- Hurricane Sandy cause minor road damage on the North end of the Park in the areas of Little Field and Dry brooks.
- Again this year ditching was done on Abol hill in the fall to see if improved drainage will minimize the damage that traditionally occurs during spring runoff.

- Several large culverts had the brush cut back off the road edges. Cutting this brush removes material that compromises the fill integrity around the culverts, removes the potential of this brush falling into the culvert and allows monitoring of potential plugs from brush and debris
- 5500 yards of graveled was screened to be used for road surface replacement. 2000 yards at the East Branch pit, 3000 yards at Nesowadnehunk pit and 500 yards a the Rum Service Area pit
- 500 yards of gravel was spread on the Roaring Brook road and 2300 yards were placed in needed areas between Foster Field and the Dwelley Pond trail head.
- The decking and tread way was replaced on the bridge at Trout Brook Crossing.

Bundle Wood

9297 bundles of fire wood were processed at Abol Service area and sold in the area camp grounds. This is an increase of 1994 bundles over the previous year. The ratio of bundles sold is running twice as much softwood to hardwood. All the softwood bundle wood processed again this year on the south end of the Park was saw mill slab wood and trimmings accumulated from the milling of bog bridging and bridge decking for Park projects.

3892 bundles of wood were processed at the East Branch pit and sold in the Park's northern campgrounds.

Maintenance Shop Projects

The staff mechanic spent 1739 hours in the shop and 107 hours assisting on field projects. Below is a summary of vehicle maintenance projects completed:

- Batteries replaced 4
- Body repairs 5
- Brake jobs 1
- Chain saw repairs 3
- Electrical repairs 15
- Front end repairs 5
- Generator repairs 5
- New tires installed 8
- Outboard motor repairs 1
- Rear end repairs 5
- Snow sled repairs 16
- Vehicle Inspections 34
- Tires repaired 12
- Vehicle services 61
- Water pump repairs 1
- Lawn mower repairs 4

The following are additional projects completed by the staff mechanic:

- Set up 4 new trucks for the SFMA and Law Enforcement staff
- Installed 4 new radios and boosters
- Assisted with the fall graveling project
- Rebuilt one snow sled engine

- Parts and material used = approximately \$27,700 on motor vehicle parts
\$4639 on snow sled parts
\$15,566 on building projects and repair

The Park's new frame pack litter-carry system proved very useful both on the Chimney Pond trail and lower stretches of the hunt trail. As Rangers work to perfect it, this system is (in lower angle areas) reducing the amount of personnel it takes to successfully complete an injured patient carry-out.

1. On December 12, 2012, the annual winter inspection of Park Ranger ranks was performed.
2. Baxter State Park Rangers, both current and retired, attended a memorial service on May 3 for Ranger Ralph Heath, who gave his life in the attempt to save the life of another. On that day, we continued a new tradition in which relatives of Ralph Heath were invited to attend the memorial. Attendance was better than last year.
3. Assistance was rendered to Wilderness Rescue Team, Mahoosuc Mountain Rescue Team, Mount Desert Island Rescue Team and Lincoln Rescue Team by transporting search and rescue personnel and equipment from Abol Bridge on the Golden Road to Chimney Pond for winter training exercises.
4. Over the dates of February 25 and 26, an abbreviated Level II Avalanche class was taught to staff by Jon Tierney. The course was held at Chimney Pond.
5. On Saturday May 12, Park Rangers assisted volunteers and other park staff at the Baxter State Park 2012 Earth Day road side clean-up.
6. On May 3, the annual formal summer inspection of Park Ranger ranks was performed.
7. A variety of staff, particularly Togue Pond Gate and Katahdin Stream Campground Rangers, assisted the Penobscot Indian Nation while in the Park during their annual run of the Katahdin 100 on Labor Day Weekend.
8. Mutual aid was rendered between Baxter State Park, Maine Warden Service, Maine Forest Service and other local and state law enforcement departments.
9. The Maine Forest Service assisted with new employee Wildfire Suppression Training and coordinated wildfire suppression efforts at the September Windy Pitch Pond fire in Baxter State Park.
10. Rangers worked with maintenance staff on the Foster Field group area relocation

project.

11. In an effort to increase the amount of in house trainings, Park Rangers led or assisted with: Introduction to Search and Rescue, Basic Rope Rescue, GPS Training, Chainsaw Training and numerous safety trainings.
12. Park Rangers serve on BSP interview panels as needed.

VI. LAW ENFORCEMENT

Baxter State Park continues to maintain a low profile law enforcement program with emphasis on education and information. Law enforcement officers are required to attend 20 hours of training each year. The 2012 mandatory training consisted of: MCJA firearms qualification, new law and case updates, understanding sovereign citizens, outlaw motorcycle gangs and street gangs, and ethics in law enforcement. Law Enforcement Rangers attended a number of elective training opportunities including Crisis Intervention.

The violations in 2012 were varied with a greater percentage of them being Baxter State Park Rule related charges. Regular hunting patrols were scheduled in T6R9 and T6R10 townships. Baxter Park Rangers investigated ten motor vehicle accidents in the Park this year. To review the summary of court cases and law enforcement courtesy warnings, please refer to **Appendix I**.

Diligent seasonal staff assisted Park Rangers and local law enforcement in the successful investigation in the burglary of and theft from a Baxter State Park cabin. Fortunately, this is a rare occurrence in Baxter State Park.

VII. FACILITY AND RESOURCE MAINTENANCE

Maintenance plays a very important role and continual upkeep of Baxter State Park and its facilities assures a safe and positive experience for Park visitors. Listed below are the pertinent projects completed by Park staff in the year 2012.

A. PARK RANGERS

1. Communications & Solar Power. Park Rangers assisted the maintenance group in servicing solar charged batteries and improving wiring in key locations.
2. Culverts were installed or replaced as needed.
3. Rock work at culverts as well as diversion ditches was reinforced and maintained as needed.
4. Park wide, gravel and screenings were hauled for minor road and spot surfacing projects. Park roads were also rock raked by staff.
5. Winter hauling trails were established and maintained to Russell Pond and Chimney Pond Campgrounds. This work involves: snowshoeing, shoveling snow, trail breaking, cutting of wind thrown trees and diligent upkeep after winter weather events.
6. Winter re-supply operations were completed for Russell Pond and Chimney Pond Campgrounds included bringing propane tanks, firewood, bridge repair and construction materials, requisitions and supplies into the backcountry.
7. Several bins of outhouse compost were removed from Chimney Pond Campground to the Rum Mountain Service Area.

8. The Park's search and rescue winter personnel transport sled was rebuilt.
9. Maintenance and upkeep of infra-red counters occurred on various tote road and trail locations to monitor snowmobile and other activity.
10. Welding jobs were completed, both in fabrication and repair of heavy equipment, tote sleds, portable gates and other assorted tasks.
11. Brush and wood demolition and debris was burned and cleaned up at the East Branch pit, Rum Service Area and Tracy Pond pit.
12. When alternative coverage efforts fail and seasonal staff absence is unavoidable, supervisors provide short term coverage at duty stations.
13. Inventories of private canoes at all Baxter State Park outlying ponds were made.
14. Park Rangers assisted in the annual roadside clean up event in May.
15. Several miles of the BSP boundary line were cleared, re-blazed and painted.
16. Numerous campground and road signs were routed at Trout Brook Farm.
17. Park Rangers worked with campground and maintenance staff in removing beaver blockage and debris from several Baxter State Park culverts.
18. Twenty picnic tables were assembled with the help of volunteers.
19. Park Rangers were engaged in the research, planning and layout of maintenance projects Park wide.
20. During shoulder seasons and as time allows, help Park Mechanic with various jobs and projects.
21. The crib that stabilizes lean-to nine at Katahdin Stream was replaced with round wood.



Traditional round log cribbing at Katahdin Stream Campground lean-to nine.
Photo courtesy of Stewart Guay

B. CAMPGROUNDS

Campground Rangers routinely clean campsites, lean-tos, cabins and outhouses. These rangers remove wind thrown trees from the roads, campgrounds and trails that are near duty stations as well as clear out culverts on the same roads. While on roads and trails, Rangers assist motorists and hikers that are struggling with motor vehicle problems or injuries, respectively. They also patrol for litter in Baxter State Park campgrounds, parking lots, roads and trails. Picnic tables, signs, gates and sign posts are stained, repaired or replaced on an as needed basis. Buildings, lean-tos and outhouses are painted and stained by campground rangers as well as minor building maintenance such as replacing stovepipes, repairing gravity fed water lines and mending screens and screen doors. Winter campground staff also keeps solar panels clear of snow, keep key doors and outhouses free of snow and daily meet the environmental challenges that Baxter State Park presents in the wintertime. Listed below are each duty stations' maintenance projects that were beyond the routine.

ABOL: Paul Corrigan CRI, William Martel CRI

1. A new flagpole was cut, peeled, draw shaved and erected.
2. Two new fire pits were constructed at Abol Beach.
3. Trees and brush were removed from all culvert top areas within Abol Campground.

KATAHDIN STREAM: Betsy Dawkins CRI, Yves Baribeau CRI

1. Several cedar picnic shelter posts were acquired, peeled, draw shaved and erected.
2. Three new fire pits were constructed at Foster Field Group Area and lean-to #11 at Katahdin Stream.
3. In completion of Foster Field Group Area project, additional loam was spread and seeding and mulching was performed.
4. The Hunt Trail trailhead weather report box was repaired.
5. Streamside cribbing was replaced at lean-to #9 with peeled logs.

DAICEY POND: Andrew Vietze CRI, Charity Levasseur, CRI

1. A new bulletin board was built and installed in the lower parking lot.
2. The stairs and or steps to cabins 1, 4, 5, 7 and 8 were rebuilt.
3. A pond side dock was rebuilt
4. Glass was replaced in the library window.
5. The roof on cabin # 2 was replaced.

KIDNEY POND: Diane Freelove CRI, Dean Levasseur CRI

1. The stairs and or steps to cabins 1, 2, 3, 4 and 8 were rebuilt.
2. Cabin 3 received a new replacement deck.
3. A new flagpole was cut, peeled, draw shaved and erected.
4. Cabin 5 saw new railings installed.
5. The propane was shored up with new roof rafters.

NESOWADNEHUNK: Mark Varney CRI, Kidney, Daicey Pond, Trout Brook Farm and Roving Ranger Staff

1. Nesowadnehunk staff spends one day per week covering Trout Brook Farm campground.
2. The Nesowadnehunk Campground Ranger must spend considerable time mowing assigned areas.
3. Campsite definition was performed by cutting back brush and encroaching limbs as well as the judicious spreading of gravel.

SOUTH BRANCH POND: Gabe Williamson CRI, Gunter Bernardini CRI

1. Rollers were installed on the Lower South Branch Pond boat slip.
2. A woodshed divider was installed to enhance organization.
3. The Lower South Branch Dock was relocated to a more suitable position.
4. Steps were replaced on the bunkhouse.

TROUT BROOK FARM: Gerald Locke CRI

1. The Trout Brook Farm Campground Ranger must cover Nesowadnehunk Campground one day per week.
2. A considerable amount of time is spent mowing the Trout Brook Farm area, North Branch Camps, and Burnt Mountain.
3. The Trout Brook Farm Campground Ranger patrols the Five Ponds Trail weekly, maintaining campsites, outhouses and fire rings.
4. The Lower Fowler Pond life jacket box was repaired.
5. The Middle Fowler Pond outhouse was reset after a wind thrown tree struck it.

ROARING BROOK: Bill MacDonald CRI, Russell Porter CRI, William Martel CRI

1. Nine cords of winter firewood was prepared and staged for Chimney Pond and Roaring Brook Campgrounds.
2. A new solar powered light was installed over the hiking roster that is located on the Ranger Station porch.
3. The mouse proof cage in the work shop was repaired.
4. Repairs were made to the shower house roof.

CHIMNEY POND: Gregory Hamer BRW (Winter), Mark Sairio BRW (Winter), Cathy Lusk BRI (Summer), Mark Sairio BRI (Summer)

1. Winter staff at Chimney Pond work on: establishing and maintaining the snowmobile hauling trail trails, removing accumulated compost to an approved storage site, remove demolition and material from the previous summer, swap empty for full propane tanks, haul 3-4 cord of firewood up from Roaring Brook and transport numerous other requisitions and supplies.
2. Bog bridging, cribbing, stringer logs and service bridge deck materials were transported in winter to job sites on area trails including the Chimney Pond Trail and Sandy Stream Pond.
3. Winter staff patrolled local trails cutting blow-downs and marking with flag tape those areas so deep with snow that painted tree blazes were obscured.
4. Blow-down trees were removed from and corridors were defined in local campground and Katahdin trails.
5. A safety chain was installed on the bunkhouse propane tanks.
6. The Crew Camp's propane platform was rebuilt.

RUSSELL POND: Gregory Hamer BRI, Brendan Curran BRI

1. Blow down trees were cut from: Pogy Notch Trail, Wassataquoik Lake Trail, Wassataquoik Stream Trail, Northwest Basin Trail and the Russell Pond Trail.
2. New siding was applied and stained on the Ranger Camp's north gable and some of east wall.
3. 3 new construction windows were installed in the Ranger Camp to replace old. The openings were re-framed as well.
4. A new stainless steel counter top was installed over the existing bunkhouse counter.
5. The roof on the Ranger Camp outhouse was re-shingled.
6. All seven of the new Ranger Camp windows installed in the last 2 summers were

insulated with foam and trimmed out on the interior.

7. Numerous sections of bog bridging were replaced on the Russell Pond Trail.
8. Russell Pond Rangers assisted the Trail Crews in re-opening the North Peaks Trail.
9. Russell Pond staff extinguished a small wildfire that was reported near Wassataquoik Lake.
10. Three sections of bog bridging were replaced on "ankle knocker" bridge.

ROVING RANGERS: Dan Pontbriand BRI, Gardner Waldeier BRI

1. Filling in for time off requests and staff vacancies at gatehouses and campgrounds comprised the bulk of Roving Ranger time every year.
2. Foot patrols and facility maintenance was performed in the Martin Ponds and Katahdin Lake areas.
3. Maintenance and upkeep was performed on the Abol Field Camp.
4. Brush was cut via tractor and brush hog on the Park Tote Road.

C. GATEHOUSES

All gatehouse attendants assist with firewood, mowing grass, the cleaning of out-houses, staining and lettering of Park signage and other projects as time allows.

TOGUE POND: Zac Montgomery, Tom Power, Rick Leavitt, Katrina Kinkead, Robin Stevens

1. Routine cleaning of Togue Pond Beach and area facilities.
2. Considerable time was spent painting trail signs, sign posts, and the ceiling of the gatehouse.
3. Togue staff continued to work diligently in the successful Day Use Parking Reservation System.
- 4.

MATAGAMON: Dana Miller, Marcia Anderson, Tracy Young

1. Assistance with campground coverage and maintenance at Trout Brook Farm campground.
2. 2012 marked the first year that Matagamon Gate staff started calling the weather forecast as well as Chimney Pond observations at 7am in addition to 8am.
3. The ramp to the woodshed was replaced with new construction.

XII. 2012 VOLUNTEER PROGRAM

A heartfelt **THANK YOU** is sent out to everyone who volunteered at Baxter State Park in 2012. Each individual effort helped to create a successful season and memorable experience for all. (Please see appendices for volunteer listings.)

TRAIL MAINTENANCE REPORT – 2012

Paul Sannicandro – Trail Supervisor, Ronald Pickens – Trail Crew Leader and Jonathan Schmidt – Trail Crew Leader

BAXTER STATE PARK TRAIL CREW INTERNS

Full Season Interns

Marc Cormier – Keene, NH
Nicholas Huntington – Wayne, ME

Benjamin Goff – Buxton, ME
Jason Takes – Cascade, IA

Summer Crew Interns

Julienna Brooks – Union, ME
Jeffrey Link – Billings, MT
Leeann Reid – Kittery, ME

Grace Glynn – Saco, ME
Cody McEwen – Millinocket, ME
Mark Ressler – Mount Prospect, IL

Fall Crew Interns

Meghan Malone – Marinette, WI
Brandon Hott – Jacksonville, IL
Travis Jimenez – Brooklyn, NY

Wyatt McCurdy – Freeport, ME
Austin Beasley – Warsaw, NC
Sean McDermott – Minneapolis, MN

STATISTICS

TRAIL STAFF WORK HOURS

(Tally of a 26 week Trail Maintenance Season)

Trail Supervisor	1020
Trail Crew Leaders	1950
BSP Trail Crew Interns	8960
Maine Conservation Corps	3998
<u>Maine Trail Crew (MATC Cost Share)</u>	<u>1000</u>
Total Trail Staff Hours	16,928

TRAIL VOLUNTEER WORK HOURS

AMC Service Trips	160
BSP Trail Stewards	84
Friends of Baxter State Park	71
Individuals – Trail Friends	418
Maine Appalachian Trail Club	142
Tanglewood 4-H Camp	84
<u>Volunteers for Peace</u>	<u>404</u>
Total Trail Volunteer Hours	1,363

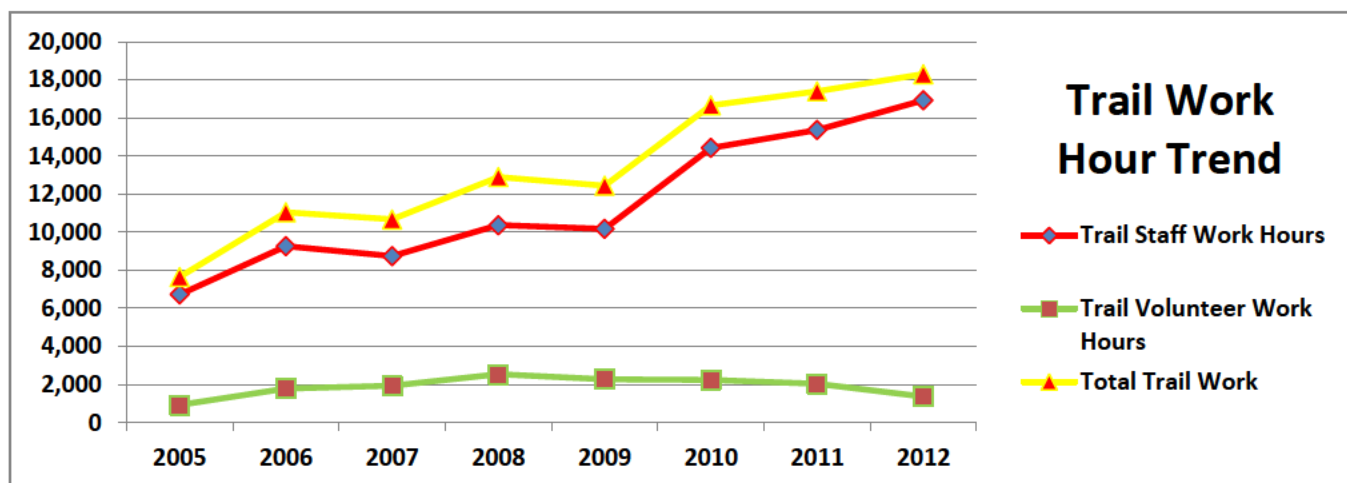
TOTAL TRAIL WORK HOURS = 18,291 HOURS

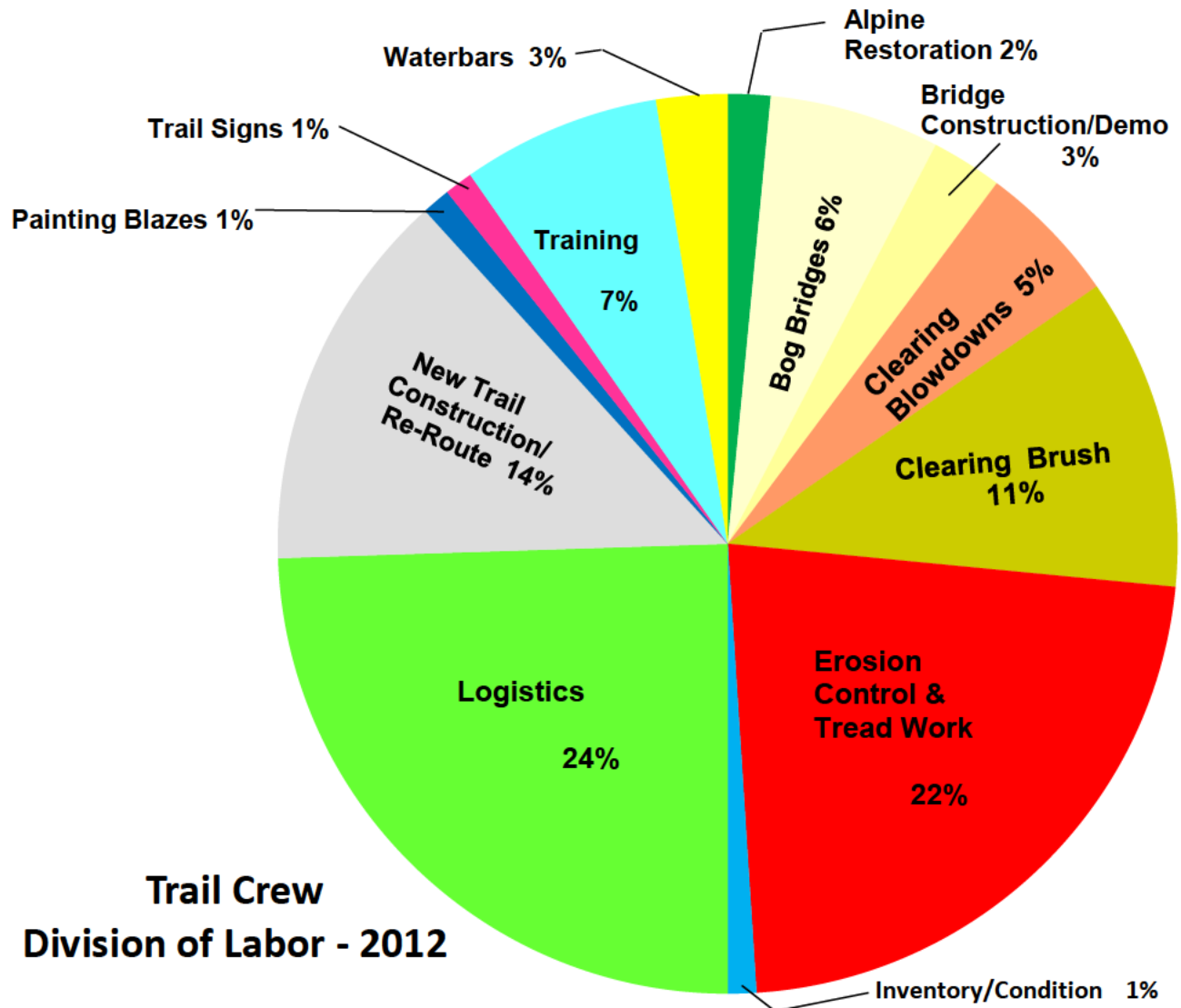
Statistical Overview

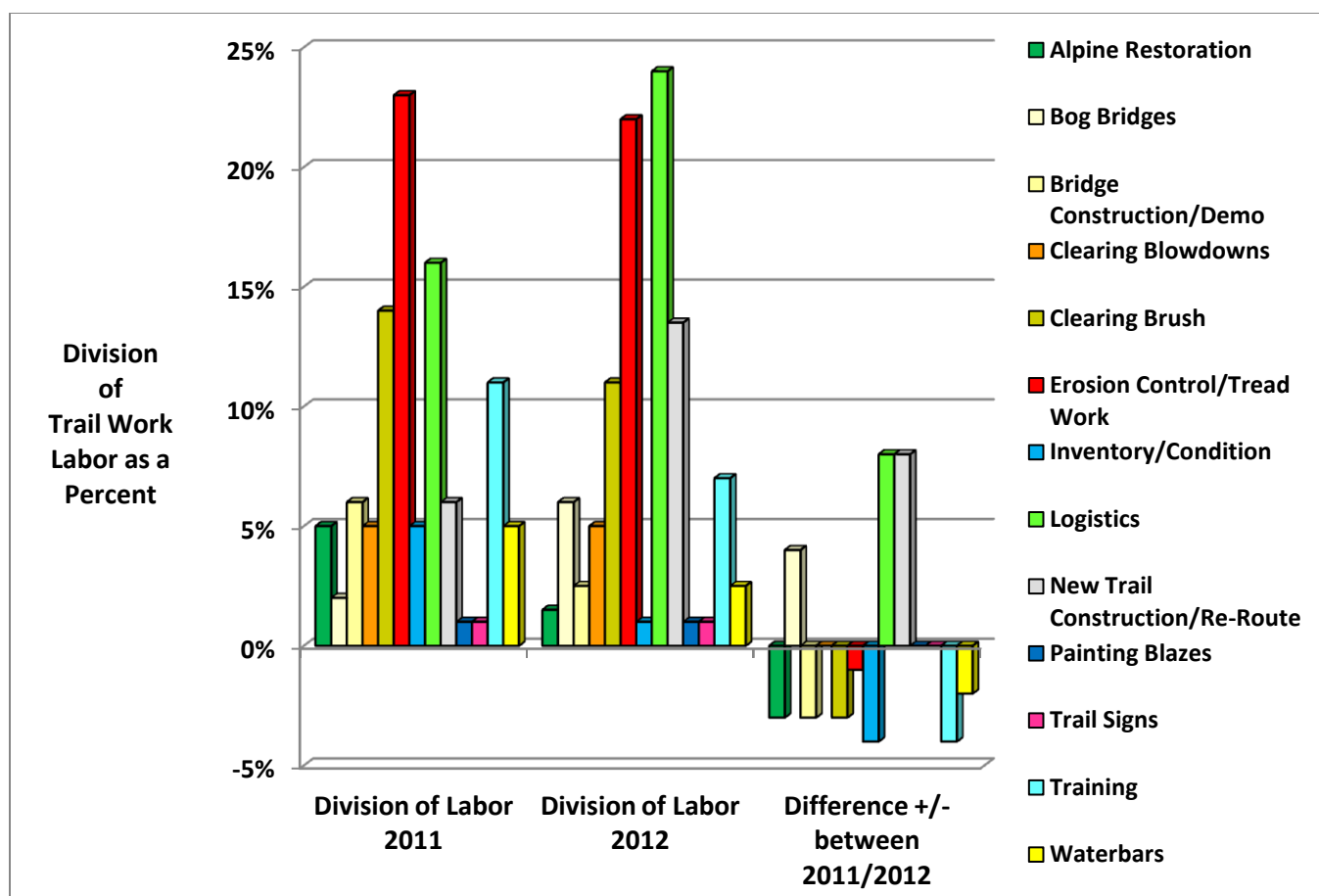
Trail Staff Work Hours for 2012 were comprised of our three classified trail maintenance positions, our BSP Trail Crew Interns, Maine Conservation Corps (MCC) contract crews as well as the MATC's Maine Trail Crew. These work hours are counted separately to distinguish the efforts between paid or contract trail maintenance staff and our volunteer trail maintainers. Our BSP Trail Crew Interns collectively contributed 8,960 work hours towards trail maintenance for the 2012 season. This total is a 7% increase from the 6,716 hours recorded in 2011. Also, the 2012 season marks the fourth year since we embarked on our own internship model, with a resulting 55% gain compared to the 2009 crew total of 4,963 hours. The total hours contributed to the Trail Staff category for this past year was 16,928 hours. Those hours show an increase of 9%, compared to last year's total of 15,360 hours. This increase is due to a full complement of 10 interns for both the Summer and Fall Crew Seasons, compared to employing only 8 interns during the Fall Season of 2011. Hours contributed from both the MCC and MATC Maine Trail Crews did not see any significant fluctuations compared to the previous year.

For the second year in a row, the Trail Maintenance Volunteer Program has had a slight decrease in participation. For 2012, our total Trail Volunteer Work Hours amounted to 1,363. This is a decrease of 7% compared to the 2011 total of 2,025 hours. The reason for this gradual decrease is attributed to the shift of time management priorities and reallocating available time towards the management of paid crews. These changes are shown in the 'Trail Work Hour Trend' chart, on the following page.

Activity within our overall trail maintenance program has increased from 17,385 hours to 18,291 hours, which is nearly a ten percent (9.5%) increase between the last two seasons. Having the support of multiple MCC Crews, a full roster of our own crews and by making modifications to introduce Full Season Interns, it has helped us realize our continued growth and a greater level of accomplishment for the third year in a row. This achievement has created a positive trend for our program's model, as we continue to develop ways to optimize our trail maintenance operations into the future.







Accurate documentation of work projects is a most important task for trail crews. The reports that are generated from weekly work projects are indispensable tools for reviewing work done in the past, recording current conditions and planning for the future. In an effort to more accurately gauge and estimate projects for the future, actual time spent working on the various categories of tasks have been separated from the total weekly work hours.

The non-project specific hours that can vary greatly from project to project such as travel time, hiking, planning, tool maintenance and others, have been grouped together in one category labeled “Logistics”. The separation of these metrics aids us by enabling better estimations for project time lines and expected outcomes. This in turn assists us with project scheduling. The method of recording the overall work hours continues to evolve slightly from year to year as we add new categories of tasks, such as the “Re-Route” represented in the preceding graphs and pie chart. It is important to recognize that the bar graph above can give the appearance of a deficit in many of the categories, and conversely, an apparent surge in the “Bog Bridges” “Logistics” and “New Trail Construction/Re-Route” categories. One must keep in mind that these are comparisons on a whole and that the values expressed as a percentage, are percentages of the total sum of two separate years.

Alpine Restoration – 312 hrs.

Abol and Hunt Trails: Thoreau Spring Area – 60 hrs. Our Crews replaced the weathered birch stakes with new tamarack stakes for the string fencing in the vicinity of Thoreau Spring. The

string fences are designed to delineate the treadway of the segments of the Hunt and Abol Trails. This application differentiates the hiking route from the damaged braids that are slowly re-seeding naturally from the native vegetation that surrounds this alpine route. Our crews will continue efforts in 2013 to extend the string fencing over the Abol Trail route, add new signage and move rock materials to enhance scree walls and cairns in this vulnerable area.

Saddle Trail: 252 hrs. With the help of an AMC volunteer crew, our Trail Crews continued erosion abatement and treadway delineation work by adding and enhancing the following structures. Ten cairns were reconstructed or added to strategic places, 800 feet of scree wall was rebuilt and 100 square feet of rip-rap was added to exposed patches of soils alongside the treadway.

Bog Bridges – 1,119 hrs.

Frost Pond Trail: 120 hrs. Our Crew ventured to the muddiest sections of the first 1.5 miles of the Frost Pond Trail to construct 85 feet of native bog bridging. Crew members used their chainsaw skills to fell, buck and mill the available spruce and cedar trees, on this backcountry hitch. Materials were staged to continue the effort for the 2013 season.

North Katahdin Lake Trail: 76 hrs. Members of the Summer Crew assisted with the construction of 204 feet of bog bridging. Pre-milled materials were transported to the vicinity of the North Katahdin Lake Lean-to during the previous winter.

Russell Pond Trail: 60 hrs. A 16' span across a small stream was replaced, due to disrepair of the pre-existing structure. This particular bridge served as a training opportunity for three of our Crew Members.

Sandy Stream Pond Trail: 461 hrs. The approaches to each of the viewing areas at Sandy Stream Pond were replaced this year. The last year they were replaced was 1996, keeping true to the average lifespan of cedar bog bridges, which is fifteen years. The work was stretched out over both the Summer and Fall seasons, which not only enabled members of both crews to benefit from the training, but also accommodated the peak visitation times of mid-summer and leaf peeping seasons. Approximately 600 feet of pre-milled bog bridging was reconstructed.

Wadleigh Brook Trail: (Hudson Pond Area) 42 hrs. The Crew constructed 130 feet of new bog bridging in a flooded out area that has had increased beaver activity over the past few years.

Wassataquoik Lake Trail: 360 hrs. Members of our Fall Crew spiked out at the Center Mt. Lean-to for a week to reconstruct bog bridges on some of the more remote segments of the Wassataquoik Lake Trail. During that hitch, the Crew built 208 feet of native bog bridging from materials that they milled on site.

Pre-Milled Bog Bridge Construction	1,064 ft. (579 hrs.)
Native Milled Bog Bridge Construction*	309 ft. (540 hrs.)

Total Bog Bridge Construction = 1,373 ft.

*Native Milled Bog Bridges take approximately 3.5 times longer to construct than Pre-Milled Bog Bridges.

Bridge Construction – 454 hrs.

Fowler Brook Trail: 454 hrs. Our Fall Crewmembers replaced the 55 foot long stringer bridge over Fowler Brook. Led by Trail Crew Leader Jon Schmidt, the Crew achieved a final product that exemplifies fine workmanship and detail that should endure for many seasons to come.

Clearing Blowdowns – 903 Hrs.

This essential, general maintenance task is the first job that the our crews initiate annually after completion of their training regimen. On an average season, it can take the trail crew and field staff three weeks to patrol all of the trails for blowdowns in the park. The focus is to first clear trails that are in closest proximity to the campgrounds, for they will be the first trails to get used. Priority is also given to the trails known for the greatest hiker traffic so that hikers will not create braided trails around the blowdowns that become obstacles. Finally, our attention turns to the littler used trails that do not see a great volume of hikers and are not as prone to getting braided by foot traffic.

Our Spring seasons seem to be trending toward a much earlier arrival than usual. Being that BSP Crews normally do not have the opportunity to begin cutting blowdowns until the first week of June, MCC Crews are as important as ever in being able to get an earlier start to open up the trails. Their efforts, as well as the Friends of Baxter State Park's Sawyer Crews, continue to be a great help in being able to open many of our trails before the Memorial Day Weekend.

Erosion Control and Tread Hardening – 3,938 Hrs.

Chimney Pond Trail: Rock Staircase 399 hrs. Led by Trail Crew Leader Ron Pickens, the Fall Trail Crew contributed two weeks to hardening the treadway just below the "Halfway Rock" area of the Chimney Pond Trail. During that time the crew constructed a well built, twenty-five (25) rock step staircase. A continuing effort to harden this trail's treadway and reinforce its water diversion structures will help to stabilize the park's most popular trail well into the future.

Chimney Pond Trail: Ditch and Drain 116 hrs. In an effort to prevent further widening of a problem area near Blacksmith Brook, our Crews and volunteers used this project as a training opportunity to lengthen the pre-existing drainage ditch by 42 feet.

Hunt Trail (BSP): 561 hrs. The BSP Trail Crew continued its efforts on the section of Hunt Trail known locally as the "Stairway to Heaven". This project above Katahdin Stream Falls continues to be our most technical project requiring the coordination of at least 24 volunteers

divided up at several locations to accomplish the task. This year's effort welcomed back many of the volunteers that assist with this project year after year.

There were eighty (80) payloads of rock material transported from the bottom of the ravine to the ridge line. Of that, twenty-two (22) loads were rock boxes loaded with rip-rap and edge rock materials and fifty-eight (58) loads were boulder payloads.

This rock material extraction effort has come to a close. The materials gathered will be used in 2013 to harden the treadway in this locale, capping off the project and bringing this 22 year-long effort to a close.

Hunt Trail (MATC): 1,110 hrs. The MATC's Maine Trail Crew assisted the park for three weeks during late May and early June with tread work that culminated with the completion of 104 feet of ditch and drain, supported by the creation of 100 square feet of newly constructed retention wall. Two additional waterbars were integrated into the unit to divert water accordingly to the design of the overall structure. Thirty-four yards of gravel were transported and spread to cap off the new treadway. Two sediment catch basins were added to the outlets of two pre-existing waterbars, as well as a check step.

This effort was supported by a cost share agreement between BSP and the MATC. This agreement has been helpful in fielding MATC crews over the last four years. We look forward to continuing to work with the MATC, with a similar arrangement for 2013.

Katahdin Lake Trail: Causeway 987 hrs. Our Summer Crews hosted and worked with the International Volunteers for Peace for this project. Under the tutelage of our Crew, our friends from away assisted with finding, transporting and setting stone material to create a raised tread platform through one of the wettest sections of the Katahdin Lake Trail. The application of this structure is a permanent alternative to bog bridging through wet areas of trail, where relocation is just not an option.

North Katahdin Lake Trail: Sidehill Bench Cut and Grubbing 118 hrs. In an effort to avoid unsustainable slopes for the final ascent to Twin Ponds, our crews developed a route that laid gentler on the land, yet required sidehill benches to be cut into the hillside. The resulting effect assists hikers with laterally traversing steeper sections of the local terrain, yet preventing steep water run-off which would eventually lead to erosion issues.

Mount OJI Trail: Rip-Rap 72 hrs. Working in concert with the MCC Crew cutting the trail re-route, our Fall Crew assisted with the overall effort by reinforcing six switchbacks with rip-rap materials to stabilize the soils and to act as a deterrent to hikers that may want to bypass the switchback platform.

Rum Pond Trail: Ditch and Drain 575 hrs. An MCC Crew dug a drainage ditch 135 feet long and constructed a 7 foot long, rock waterbar act as the outflow of the system. The ditch wall was reinforced with rock for 100 feet. There is still some work to be done to this structure, in finishing the ditch reinforcement. The addition of this treatment to this trail segment has

already improved water diversion issues, replacing the need for bog bridges that were once there and drying up the treadway, avoiding saturated tread conditions.

Inventory – 38 Hrs.

Saddle Trail: Our Fall Crew Intern Austin Beasley used his internship experience to fulfill his college's requirement of a capstone project. By working with the Trail Supervisor, Austin assisted with capturing data and GPS waypoints to develop an alpine management plan specific to the Saddle Trail. The results of his efforts will be added to the overall park wide Trail Inventory, which will ultimately identify projects to be prioritized within the trail system's infrastructure.

National Trails Day

Due to inclement weather and scheduling conflicts we did not host a National Trails Day event in 2012. We have scheduled an event for 2013 and look forward to offering this valuable general maintenance training to volunteers interested in participating in our Trail Stewards program.

New Trail Construction/ Trail Re-Route – 2,530 Hrs.

Mount OJI Trail: Re-Route 2,530 hrs. This project can be highlighted as the pilot program to solving trail erosion issues by re-routing damaged, unsustainable trail segments over gentler slopes as opposed to the past practice of hardening steep, eroded fall line segments. With the assistance of an MCC Crew donated by the Friends of Baxter State Park, we were able to complete the construction of 1.2 miles of new trail. The new trail segment bypasses some of the worst erosion areas nearer to the granite slides where hikers formally would need to scramble across to ascend OJI's ridge.

This work included several phases of construction such as an initial cut of the corridor and fine tuning the definition of the corridor to ensure consistency through the varied terrain.

Next, tread work such as grubbing out tree stumps with mattocks and Pulaski axes is an intensive and laborious task. Grubbing also encompasses local excavation of high spots (hummocks) on the tread and filling in the low spots (hollows) with that material.

Then, sidehill bench cutting of the treadway allows for hikers to traverse laterally across the side of the slope and assists with the management of diverting water off of the trail, to further prevent erosion. The MCC Crew completed over a half mile of sidehill bench cut using hand excavation tools such as mattocks and Pulaski axes. This technique is also used to incorporate switchbacks into the route, which served well to create six switchbacks.

The overall project is partially done. However, the portion that MCC was able to accomplish was crafted to a high standard worthy of being considered a "finished product". Highlights of the new route feature sustainable slopes that will require less maintenance as years wear on. Also, the 0.2 mile spur to the West Peak will surely become a favorite to those visitors seeking amazing landscape vistas, not available before.

Trail Stewards

The level of participation in the Trail Stewards program continues to decline. This is partially due to the fact that for the third year in a row, we have sustained the highest level of involvement and scheduling of our own crews and Maine Conservation Corps crews. Consequently, this diminished our ability to manage this facet of our operation. The inability to reschedule a National Trails Day event also detracted from our ability to recruit new Trail Stewards in 2012.

Promotion, by both the Park's website, the Friends of Baxter State Park's quarterly newsletter and by word of mouth through active Trail Stewards, has helped in the past to promote the program. New participants often are recruited by veteran Trail Stewards to assist with their trail assignments.

We will be looking for ways to better deal with the logistics associated with managing this program, considering that our projected Trail Staff contributions towards our Trail Crew operations will continue at the same level in 2013 as they have for the previous three years. The following is an overview of the general maintenance that was performed by our Trail Crews and Trail Steward volunteers.

Blazing - 70 Hrs.		Corridor Definition – 2,360 Hrs.	
Blueberry Knoll	0.2 miles	Abol Pond Trail	1.8 miles
Cathedral	0.3	Blueberry Knoll	0.2
Cathedral Cut-Off	0.2	Cathedral	0.5
Dudley Trail	1.3	Caverly Lookout Trail	0.3
Hamlin Peak Cut-Off	0.2	Center Ridge Trail	1.2
Hamlin Ridge Trail	1.5	Cranberry Pond Trail	1.4
Helon Taylor Trail	1.9	Doubletop Mt. Trail	1.5
North Basin	1.2	Dudley Trail	0.6
North Basin Cut-Off	0.7	Foss & Knowlton Pond Tr.	4.2
North Peaks Trail	5.7	Grand Falls Trail	1.8
North West Basin Trail	2.0	Hamlin Ridge Trail	0.2
Saddle Trail	2.2	Howe Brook Trail	0.6
Traveler Mt. Trail	2.0	Kettle Ponds Trail	1.8
Total	19.4 miles	Lily Pad Pond Trail	0.4
		Lost Pond Trail	1.0
		Martin Ponds Trail	2.2
		Mount Coe Trail	1.0
		North Basin	0.6
		North Basin Cut-Off	0.7
		North Katahdin Lake Tr.	4.3
		North Peaks Trail	3.7
		Northwest Basin Trail	1.7
		Rum Pond Trail	1.9
		Russell Pond Trail	2.5
		Saddle Trail	1.0

Sandy Stream Pond	1.4	Wadleigh Brook Trail	2.5
Slaughter Pond Trail	2.6	Wassataquoik Lake Trail	0.3
Tracy & Elbow Ponds Trail	1.0	Windy Pitch Pond Trail	0.7
Traveler Mt. Trail	1.5	Total	47.1 miles

Trail Signs – 169 Hrs.

As an effective alternative for modified duty, Crew Member Leeann Reid assisted with routing signs for three weeks, during the Summer Crew schedule.

The following signs were replaced in 2012. These numbers are the catalog numbers that one will find on the back of all BSP trail signs, which is correlated to our master card catalog system which lists the catalog number, geographical location and wording for each sign. Signs replaced: 12.03, 25.01, 25.02, 25.03, 25.031, 25.05, 25.06, 25.07, 61.02, 61.03, 74.02, 74.03, 79.07, 94.06, 110.034, 110.035 and 110.051

Training – 1,290 Hrs.

Training is a major component of our Trail Maintenance Internship Program. The training regimen that we provide to our interns not only serves as a foundation to cultivating a safety minded crew, but it also initially serves as an enticement to get potential applicants interested in our program.

During the first two weeks of our program, our interns benefit from training sessions such as Wilderness First Aid, Introduction to Search and Rescue, Chainsaw Safety Training, Introduction to Wildfire Suppression and learn Leave No Trace outdoor ethics. In addition to this, the summer crews participate in the spring meeting, with fall crews participating in the fall meeting. Such opportunities as the ones mentioned above, truly do assist crews with developing situational awareness for all aspects of the work that they do on the crew. These training opportunities ultimately play a large role with our consistent record for safety.

Waterbars and Water Diversion – 500 Hrs.

General Maintenance Patrols: 500 hrs. These hours encompass the early and late season patrols to clean waterbars on all of the steep trails that hold these trail features.

Trail

Appalachian Mountain Club

Nathan Karol
Tecla Ris
Don Swartz
Karl Witmer

BSP Trail Stewards

Charlie Jacobi
Nancy Jane Clark

Friends of Baxter State Park

Steve Ellis
Charlie Jacobi
Rosemary Hastings
Doug Rich
Bernie Geishauser
Bill Bentley
Carla Ritchie

Individuals – Trail Friends

Mike Zlogar
Joe Saetta
Paul Delaney
David Wilcox
Jon Huntington
Nelda Clelland
Christopher Flint
Doug Dolan
Pierre Roughny
Brian Gurger
Erica Kaufmann
Jeremy Dubois
John Bialecki

MATC

David Little
Raymond Anderson
Melanie Coombs
Priscilla Seimer
Ken Beach
Charlene Post
Zoe Kitchel
Ned Kitchel
John Neff
Rick Ste. Croix

MATC – Maine Trail Crew

Amanda Koenigshof
Mike Coughlin
Alan Keating
Alexa Dostart
Courtney Jones
James Harrison
Jevin Hoeper
Kenna Rewcastle

Maine Conservation Corps

Rob Read - TL
Ciaran O'Donnell
Will Davidson

Lindsey May - TL
Augusta Reilly
Matt Bernier
Brent Smith
Christa Singley
Joshua Trombley
Larsen Andrews
Tatiana Denman

Maine Conservation Corps

Josh Moore – TL

Volunteers

Carrie Burgess
Sonja Bergmann
Andrew Thompson
Carl Keicher
Laura Frings

Tyler Fogg – TL
Chris Metzler
Nicole Sattler
Stephanie Wright
Calder Brown

Tanglewood 4-H

Steve Clarrage
Kaeleigh Morton
Karly Robinson
Belle Fall
Isla Brazier
Dakota Condon
Erik Bailey
Colin Fagin
Trevor Fowles
Ethan McDonough
Condy Prandelli
Leah Clair

Volunteers For Peace

Julia Ametller
Cedric Berthod
Alina Bulakh
Jer-yu Jeng
Jinbae Bang
Isabella Haidl
Jinsoo Gang
Amaury Reodo

Notes:

1. A great many thanks need to go out to Barbara Bentley and the Board of Directors of the Friends of Baxter State Park, for their diligence in submitting and managing the grant application process for the Recreational Trails Program. The benefits of those efforts are many. The Park received a generous donation of ten weeks of Maine Conservation Corps crews to develop the re-route on the Mount OJI Trail.

One of the greatest benefits of that effort was the opportunity to expose a new group of people to the trail maintenance craft here in BSP with Katahdin as their backdrop. It was a pleasure to work with the MCC crews throughout the season. Their contributions made a great impact on our overall operations and performance in 2012. Thanks again to the Friends of Baxter State Park for their support!

2. Our Trail Crew Interns are still the foundation of our trail maintenance activities here at BSP. We had full crews for both of the Summer and Fall seasons. For a model that has been tailored to recruit mostly from Maine colleges and universities, we still have a great cross section of people joining the crew from across the nation. We can attribute that success to our fine website that promotes the Trail Crew Internship Program 24/7, 365 days a year.

This year was an exceptional year where we were able to recruit four of our interns for the entire season. Thanks go to Marc Cormier, Benjamin Goff, Nick Huntington and Jason Takes for their dedication throughout the season. Thanks to all of our interns and trail volunteers throughout the season. We hope to see you again on the trail soon!

3. The best of wishes go out to Ron Pickens and Jon Schmidt, our Trail Crew Leaders for 2012. They were both very capable leaders who brought their own styles to facilitating their crews with a very busy and dynamic schedule. Both did a fine job for Baxter State Park' Trails in 2012.
4. During the 2102 season, the Trail Crew found itself meeting the goals and objectives of two distinct and different schools of thought. Two projects, occurring simultaneously, had thrust forward a paradigm shift for trail management in Baxter State Park. For the Hunt Trail Granite Extraction Project (aka "Stairway to Heaven), the sun is setting on an effort and process that has endured for twenty-one seasons. And, a new dawn had risen with the OJI Relocation Project.

There are many such places throughout the park, within our trail system that could have a similar application of rock staircases, such as the Hunt Trail effort, and could also require as much time. That time is precious and within that time span, we are essentially losing more soils and the ability to keep up with the reconstruction of those areas that are competing with other priorities.

Enter the paradigm shift.... The OJI Relocation Project was a pilot project, supported by the Friends of Baxter State Park and partnered with the Maine Conservation Corps. The crux of that effort was to rehabilitate and abandon segments of unsustainable and eroded trails and to relocate the routes of these trails over more gentle, sustainable contours that will be less prone to erosion. With a greater emphasis on slope management in the development of proposed re-routes and future new trails, we will find that over time, we will have optimized our time and

resources with a better alternative to the time consuming tread hardening techniques such as rock staircases.

Whether we are maintaining trails, reconstructing them, re-routing, developing new trails or closing trails, we strive to do so with an eye on the bigger picture. The “bigger picture” continues to evolve as we discover new ways to apply our limited resources towards a trail infrastructure that is quite dynamic. Over the years we have added new trails when we have acquired new lands and closed trails when we’ve found them to be unsafe or unsustainable. With a near complete trail inventory, and a goal of maintaining and developing trails to a greater level of sustainability, we have truly reached a paradigm shift for trail management in Baxter State Park.

2012 ADMINISTRATIVE SERVICES STAFF

- Office Specialist I, S. Jean Howes
- Accounting Associate I, Mary Ellen Bell,
- Inventory and Property Associate I, Constance Theriault
- Office Associate II Supervisory, Joni Lowell
- Office Assistant II, Nancy Guay
- Office Assistant II, Jeannie Tibbitts
- Office Assistant II, Mary Beth Varney
- Office Assistant II, Monica Raulf

RESERVATIONS: On January 17, 2012, opening day for summer reservations was held. This year was similar to the last few years in number of reservations and number of people. There were a total of seventy-seven people that showed up to make reservations, of that sixty-three were Maine residents and fourteen were non-residents. The reservations staff made a total of 109 reservations. Thirty-two people made two reservations.

Due to the rolling reservations system and the computerization of the reservation system, opening day has become a smaller event then in past years. We continue to see the same faces year after year. People come to the opening day event for socialization with other Park enthusiast as much as the chance to get that special camping spot in the Park. The reservation staff has the opening day event down to a science and is able to book reservations at a steadying pace. Everyone leaves by early afternoon.

In 2012 we took the second step with online reservations. After much discussion and some great ideas from the reservation staff we decided to open up online reservation on June 16, 2012 allowing a visitor to make a reservation anytime between June 16 and October 14, 2012 at any available online site. We also expanded the capability of the reservation system allowing the visitor to make a reservation at more than one campground. With help from the reservations staff and Mike White we were able to fix the few minor problems that came up and the online system worked well. Reservations took in \$152,505 in revenue and visitors booked 1895 reservations online.

The last step of the online reservations will be to match the online capability to the rolling reservation system allowing visitors to make a reservation online four months prior then their first camping day.

RESERVATION OFFICE STATS - 2012 SEASON																
	Site Nights	Adults	Junior	Child	Counter Reservations	Mail Reservations	Radio Reservations	Telephone Reservations	Winter Reservations	Internet Reservations	Telephone Calls	Office Visitors	Mail Received	Information Packets Sent	Videos Shown	Dupr Res
Jan	698	698	0	0	113	74	0	0	20	0	300	150	85	12	0	0
February	1433	1433	0	0	19	205	0	0	18	0	420	98	215	15	0	0
March	1553	1553	0	0	24	549	0	0	6	0	501	90	600	15	0	0
April	0	0	0	0	36	916	0	0	0	0	700	92	1015	10	0	0
May	2963	2665	290	8	55	793	11	161	0	0	1000	150	817	17	5	0
June	9618	8525	963	130	42	404	100	412	0	403	1600	325	420	15	20	25
July	18949	15646	2988	2988	315	83	114	502	0	601	1852	400	100	12	20	137
August	23259	19936	2933	390	42	73	132	435	0	489	1805	320	90	10	40	166
September	12855	12598	204	53	43	24	123	303	0	277	1500	225	35	8	20	78
October	5361	5249	97	15	23	7	34	95	0	57	400	60	29	5	5	35
November	0	0	0	0	26	74	0	0	100	0	285	90	87	5	0	0
December	289	289	0	0	4	46	0	0	50	0	200	50	55	5	0	0
TOTALS	76978	68592	7475	3584	742	3248	514	1908	194	1827	10563	2050	3548	129	110	441

The Day Use Parking Reservation system (DUPR) finished its third season. No changes were made to the procedure for making a DUPR. The system is working well. Visitors made 5133 Day Use Parking reservations for the 2012 camping season.

WEBSITE

Our website is an ever changing tool for Baxter State Park. The staff is continually making improvements to the site. On our website we have seven downloadable maps that cover the following areas: Trout Brook, South Branch Pond, Katahdin Lake, Roaring Brook, Abol, Kidney and Daicey, and Trailhead Base map. These maps are not as detailed as the maps that are sold by the Park, but they are better than being without a map at all. In the next year one of the updates will be to allow our visitors to purchase a book or map through our website and pay online. This will give them the opportunity to have the information that they will need to make better plans for camping or hiking trips. We are also adding trail details and descriptions.

CONTRACTED SERVICES

Rubbish Removal – Plourde Trucking, Millinocket; Pine Tree, Houlton
Janitorial Services – Denise Bragdon, Millinocket
Firewood and Firewood Bundling – Mike Sabine, Clint Morrow
SFMA Forest Operations/Road Construction – Pelletier Brothers, Millinocket
Trail Work – BSP Interns, Maine Conservation Corp.
Information/Education – BSP Interns
Septic Tank Pumping – Lincoln Rental, Lincoln
Fuel – Dead River, Preble Oil, Agri-Cal, Houlton
Lawn Maintenance – Mainely Landscaping and Lawns, Millinocket
Computers – CMTI/Bruce Grant, Dover-Foxcroft,
Cellular Service – US Cellular, Verizon
Copier Service – Ikon Office Solutions
Programming Services – Dirigo Spatial Systems, Inc., Hampden
Satellite Internet Dish Access – Hughesnet.com
Website Maintenance- Cadillac Web Development

POSITION CHANGES

NEW HIRES

Ron Pickens – Trail Crew Leader
Jon Schmidt – Trail Crew Leader
Dan Pontbriand – Backcountry Ranger/Roving Ranger
Yves Baribeau – CR1/Katahdin Stream
Gardner Waldeier – CR1/Katahdin Stream
Katrina Kinhead – Gatehouse Attendant / Togue Pond Gate
Robin Stevens – Gatehouse Attendant / Togue Pond Gate
Bob Gonya – Customer Rep. Assistant II/Visitor Center (A/C/hired classified position)
James Barden – Togue Pond Gate
Kelley Michaud – Visitor Center (Acting Capacity)

RE-HIRES:

Ada Angotti – re-hired part-time 20 hr. Secretary position

RESIGNATIONS/LAYOFFS:

Krista Rogers – Trail Crew Leader
Ada Angotti – Secretary Associate (layoff)
Chris Morris – CRAII – Visitor Center
Ruth Levesque – Gatehouse Attendant – Togue Pond
Bill MacDonald – CR1/Roaring Brook

Geri Fraser – CRAI – Visitor Center
 James Barden - Togue Pond Gate
 Kelley Michaud - Visitor Center

PROMOTIONS/TRANSFERS:

Geri Fraser - transferred to CRAI – Visitor Center
 Zac Montgomery – transferred to longer season at Togue Pond Gate
 Tom Power – transferred to longer season at Togue Pond Gate
 Rick Leavitt – transferred to longer season at Togue Pond Gate
 Russ Porter – CR1 – transferred to longer season at Roaring Brook
 Bill Martell – CR1 - transferred from Abol to longer season at Roaring Brook
 Gardner Waldeier – CR1 promoted to Backcountry Ranger/Roving Ranger
 Besty Dawkins- transferred to longer season at Katahdin Stream
 Bruce White – promoted to BSP Ranger Supervisor

YEAR-ROUND POSITONS

Position	Name	Location
BSP Director	D. Jensen Bissell	Headquarters, Mkt.
BSP Chief Ranger	C. Ben Woodard	Headquarters, Mkt.
Resource Manager	Richard Morrill	SFMA
Forester I	Deidra Brace	SFMA
Park Naturalist	Jean Hoekwater	Headquarters, Mkt.
Business Manager	Christine Theriault	Headquarters, Mkt.
Deputy Chief Ranger	Stewart Guay	Headquarters, Mkt.
BSP Enforcement Ranger	Michael Winslow	Field
BSP Enforcement Ranger	Isaac Needell	Field
BSP Enforcement Ranger	Michael Martin	Field
BSP Enforcement Ranger	Robert Tice	Field
Secretary	Ada Angotti	Headquarters, Mkt.
Accounting Associate I	MaryEllen Bell	Headquarters, Mkt.
Office Specialist I	S. Jean Howes	Headquarters, Mkt.
Inventory & Property Asso. I	Constance Theriault	Headquarters, Mkt.
Office Associate II, Supervisor	Joni Lowell	Headquarters, Mkt.
Maintenance Supervisor	Rodney Angotti	Headquarters, Mkt.
Auto Mechanic II	Frank George	Headquarters, Mkt.
Carpenter	Craig Kennedy	Headquarters, Mkt.
Trail Crew Supervisor	Paul Sannicandro	Headquarters, Mkt.
Interpretive Specialist	Marcia Williamson	Headquarters, Mkt.

SEASONAL POSITIONS – 2012

<u>Title/Position Number</u>	<u>Name/Location</u>	<u>Wks</u>	<u>Start</u>	<u>End</u>
CAMPGROUND RANGERS				
9425-0631	Mark Varney	-Nesowadnehunk	21	5-20 10-13
9425-0221	Gabe Williamson	-So. Branch Pond	24	5-6 10-20
9425-0922	Gunter Bernardini	-So. Branch Pond	20	5-20 10-6
9425-0351	Russell Porter	-Roaring Brook	24	5-6 10-20
9425-0741	Bill Martell	-Roaring Brook	22	5-13 10-13
9425-0391	Betsy Dawkins	-Katahdin Stream	29**	5-6 11-24
9425-0421	Yves Baribeau	-Katahdin Stream	22	5-13 10-13
9425-0978	Paul Corrigan	-Abol	22	5-13 10-13
9425-0461		-Abol	18	5-27 9-29
9425-0611	Gerald Locke	-Trout Brook Farm	20	5-20 10-6
9425-0982	Dean Levasseur	-Kidney Pond	25	5-6 10-27
9425-0983	Diane Freelove	-Kidney Pond	25	5-6 10-27
9425-0980	Charity Levasseur	-Daicey Pond	25	5-6 10-27
9425-0981	Andy Vietze	-Daicey Pond	25	5-6 10-27
BACKCOUNTRY RANGERS - SUMMER				
9423-0021	Greg Hamer	-Russell Pond	24	5-6 10-20
9423-0831	Brendan Curran	-Russell Pond	22	5-13 10-13
9423-0601	Cathy Lusk	-Chimney Pond	24	5-6 10-20
9423-0841	Mark Sairio	-Chimney Pond	22	5-13 10-13
BACKCOUNTRY RANGERS - ROVING RANGERS				
9423-0991	Dan Pontbriand	-Parkwide	26	5-6 11-3
9423-0993	Gardner Waldeier	-Parkwide	26	5-27 11-24
BACKCOUNTRY RANGERS – WINTER				
9423-1008	Greg Hamer	-Chimney Pond	12	1-4 3-24
9423-0998	Mark Sairio	-Chimney Pond	12	1-11 3-31
GATEHOUSE ATTENDANT				
9422-0171	Tom Power	-Togue Pond	26**	5-27 11-24
9422-0511	Rick Leavitt	-Togue Pond	23	5-6 10-13
9422-0361	Tracy Young	-Matagamon	29**	5-6 11-24
9422-0441	Marcia Anderson	-Matagamon	29**	5-6 11-24
9422-0201	Dana Miller	-Matagamon	23	5-6 10-13
9422-0501	Zac Montgomery	-Togue Pond	29**	5-6 11-24
9422-0531	Katrina Kinkead	-Togue Pond	23	5-6 10-13
9422-0541	Robin Stevens	-Togue Pond	12	6-10 9-1
TRAIL CREW LEADER				
9436-0940	Ron Pickins	-Parkwide	26	5-6 11-3
9436-0984	Jon Schmidt	-Parkwide	26	5-6 11-3
OFFICE ASSISTANT II				
6538-0941	Jean Tibbitts	-Millinocket Hdqtrs.	40	1-8 10-13
6538-0967	Nancy Guay	-Millinocket Hdqtrs.	40	1-8 10-13
6538-0731	Marybeth Varney	-Millinocket Hdqtrs.	31*	3-11 10-13
6538-0997	Monica Raulf	-Millinocket Hdqtrs.	12	6-10 9-1

CUSTOMER REP ASSISTANT II

6510-0977	Bob Gonya	-Visitor Center	20	5-27	10-13
6510-0992	Brian Johnston	-Visitor Center	20	5-13	9-29

MAINTENANCE MECHANIC

8281-0965	Matt Martin	- Mill. Maint. Facilities	26	5-6	11-3
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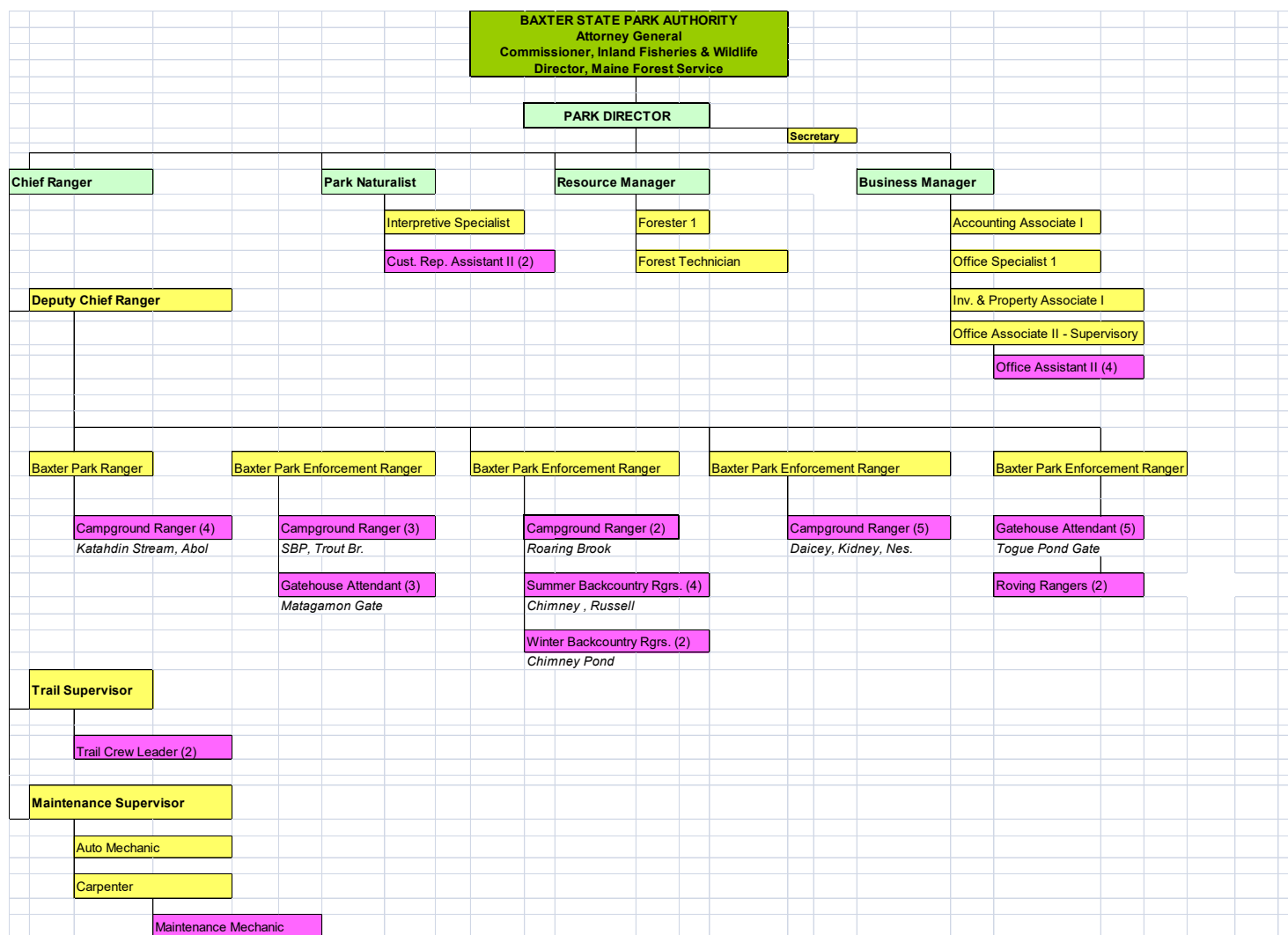
FOREST TECHNICIAN

9456-0988	Kevin Osborne	-SFMA	31	4-22	11-24
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**Extensions are weather related

* Reduced weeks 2012 only

Updated 10/2012



How do I make Reservations?

1. Read completely:

- ◆ This information sheet
- ◆ BSP Rules & Regulations
- ◆ The BSP Road Map handout or general information from Park website.

2. Completely fill out reservation forms (available from the Park or its website). Include as many options as possible.

3. Enclose appropriate payment.

4. Enclose self-addressed, stamped, #10 business sized envelope (if reserving by mail).

5. At the appropriate time: Mail, bring in person, or phone to Baxter State Park Headquarters.

When can I make a reservation at Baxter State Park?

1. Coming in person to BSP HQ on January 17, 2012. Reservations will be limited to 20% of sites per campground, per day. Only two (2) reservations per person will be allowed. If large numbers of campers intend to make reservations on this day, the campground limits are expected to be reached quickly, thereby forcing campers to try again for reservations during the rest of the season. Campers are encouraged to be flexible in their dates and site choices and plan on using the rolling reservation system for the majority of their camping trips.

2. Using the Rolling Reservation System, mailing or walking in to BSP HQ four (4) months or less prior to the start of your desired camping trip. All sites (at least 80% of all camping nights, plus any sites not reserved on January 17th) will now be available for rental, four months prior to camping. Mail in reservations will be given a seven (7) day "buffer". Mail and walk-in customers will be processed at the same time. Mail will be randomly processed (not in the order it was received) except that all Maine resident reservation requests made by mail will be processed before non-resident mail requests on a daily basis. There is a limit of two (2) reservations per day for each person making walk-in or mail-in reservations. **NOTE:** People who arrive earlier than four months ahead of their camping date will not be processed and will be asked to return or mail-in when the dates finally do "roll" open. Mail that is received more than four months and seven days ahead of camping dates will not be processed and will be returned to sender.

3. May 15 to June 15, in addition to mailing or in person reservations, you are able to make a reservation during the camping season (14-days or less before your arrival) by phone. Phone reservations must be paid by Visa or Master Card at the time of the call.

4. June 16 to October 14 you are able to make a reservation by mail, in person, by phone or online (on our website baxterstateparkauthority.com) for anytime the rest of the season. Online reservation enables a camper to make a reservation at more than one campground for as long as seven nights in one campground or 14 day stay in the park. It is against Park regulations to use a cell phone inside the Park for a non-life threatening emergency. Please do not call for reservations from inside the Park. As we expect many reservations to be taken during the rolling reservation system, less choices will be available for the 14 days prior to your trip. During July, August and fall weekends, much of the Park may be full when you call, but you can always hope for a cancellation.

Baxter State Park Headquarters:

Baxter State Park
Reservations
64 Balsam Drive
Millinocket, ME 04462

Telephone 207-723-5140
TDDY 207-723-9905
www.baxterstateparkauthority.com

What else do I need to know?

Summer Campground Opening & Closing Dates (Inclusive):

Roaring Brook: May 15 – October 15

Daicey Pond: May 15 – October 15

Chimney Pond: June 1 – October 15

South Branch Pond: May 15 - October 15

Katahdin Stream: May 15 – October 15

Russell Pond: May 15 – October 15

Abol: May 15 – October 15

Kidney Pond May 15 - October 15

Trout Brook Farm Opens the Friday before Memorial Day - October 15

Nesowadnehunk Opens the Friday before Memorial Day - October 15

*Please call Park Headquarters for current opening/closing dates for these campgrounds. The Director or such other person designated by the Authority may adjust campground seasons before July 4th and after Labor Day should use, weather or other conditions warrant. Under these circumstances, reservations will be made on a daily basis only.

Fees:

Summer fees (children age 6 or under are free, but count towards site capacity):

Cabins: 2 person \$55/night, 3 person \$75/night, 4 person \$100/night, 6 person \$130/ night.

Gas lights and firewood are included in cabin fee.

Tentsites \$30/night.

Lean-tos: \$30/night

Bunkhouse**: \$11.00 per person per night.

Group Areas (Bear Brook, Foster Field, Nesowadnehunk Field and Trout Brook Farm Field):

Six (6) person minimum charge (\$42.00), otherwise \$7.00 per person per night.

Winter Fees (Special policies are in effect for winter, please request winter information from Park Headquarters or visit the Park's website before making winter reservations):

Bunkhouse**: \$19.00 per person per night, except at Chimney Pond bunkhouse (\$38.00 per person per night).

Lean-to or Tent site: \$15.00 per night.

Chimney Pond Lean-to: \$40.00 per night

Cabins: : 2 person \$55/night, 3 person \$75/night, 4 person \$100/night, 6 person \$130/ night.

Gas lights and firewood are included in cabin fee.

**Reservations for individual bunk only. Facility is shared with other individuals or groups up to the capacity of the bunkhouse.

Non-Resident Motor Vehicle Fee (Payable only at gate.) A day pass or season pass is required for all vehicles entering Baxter State Park. Non-resident motor vehicles shall pay a motor vehicle fee of \$14.00 per motor vehicle for each day in the Park. If a motor vehicle enters the park in connection with overnight reservations covering one or more consecutive nights in the park, then re-entry to the park shall be permitted upon payment of a single motor vehicle fee during the period covered by the overnight reservations, and no longer. Motor vehicles shall not be permitted to enter the Park under any other circumstances, including day use, through traffic or reservations for non-successive nights in the park, without payment of the motor vehicle fee for each day. This regulation does not apply to motor vehicles bearing a

Maine registration and license-plate. A season pass under this regulation shall be available at a charge of \$39.00 per non-resident vehicle.

The proper fee must accompany all reservation requests. All fees include sales tax where applicable and must be paid in U.S. funds. For summer reservations, Park Headquarters accepts Visa, MasterCard, money order or check made payable to Baxter State Park.

Campgrounds and gates inside the Park do not accept credit cards (no electricity), please be prepared to pay with cash or check when arriving at the Park. The Park does not accept personal checks for winter reservations. Fees are payable by all persons year round, except government employees on official business within the Park. **Refunds will not be available ordinarily.** The Director may (at his sole discretion), permit refunds or may impose a special requirement before granting refunds. Portion of paid fee retained in the event of a refund will be \$10.00. **A fee of \$15.00 will be collected for site transfers.**

Office Hours:

The Reservations Office is open from 8 a.m. to 4 p.m., Monday through Friday, but closed on weekends and holidays. During our peak season from Memorial Day through the Saturday of Columbus Day week-end, the Reservation Office is open from 8 a.m. to 4 p.m. seven days a week, including Holidays. No reservations will be made when our office is closed, but shall be accepted on the next business day.

Reservation Limits and Other Policies:

A reservation is an arrangement by which accommodations are secured for one or more consecutive nights of lodging in Baxter State Park. Reservations shall be accepted for up to seven (7) total nights for any one (1) site and any one (1) campground, and up to two weeks (14 nights) total duration.

When considering capacity of all facilities, each child is counted as one individual regardless of age. Site capacity is restricted. Before adding people to your party, consult with Park Reservation Clerks to be sure your site will hold additional people.

Reservations for two or more nights will be held only until 4:00 PM of the day following the first evening for which reservations were made.

An average of 30% of campground lean-to and tent site facilities shall be set aside for Maine resident advance reservations until seven (7) days prior to the actual use date. After which time, unreserved sites will be released to either residents or non-residents.

Groups of thirteen (13) or more in a family or non-family situation shall be assigned to one of the group areas.

Each organized camp group of five (5) or more individuals will be limited to one (1) visit to Chimney Pond Campground during the period from July through August.

Park Campground maps showing campsites and information on outlying sites are available by contacting the Park directly or visiting our website: **www.baxterstateparkauthority.com**

If you have questions, please call our Reservations Office at (207) 723-5140.

BAXTER STATE PARK

STATEMENT OF REVENUE AND EXPENDITURES

FISCAL YEAR ENDING JUNE 30, 2012

BALANCE FORWARD	<u>\$285,405</u>
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REVENUE – 014 Account

Park Operations	
Recreations Fees	<u>\$846,901</u>
Transfer Fees	<u>\$5,751</u>
Entrance Fees	<u>\$164,526</u>
Miscellaneous Services	<u>\$47,958</u>
Sales of Maps, Books, etc.	<u>\$37,628</u>
Sale of Forest Products	<u>\$ 223,400</u>
Foreign Exchange Differential	<u>\$(94)</u>
Duplicate/Overpayment Fees	<u>(\$11,286)</u>
NET REVENUE FROM OPERATIONS	<u>\$1,314,784</u>

TRUST FUNDS

Boston Trust	<u>\$ 2,095,000</u>
State Held Trust	<u>\$ 87,884</u>
Cash Pool Distribution (interest)	<u>\$3,857</u>
Independent Trust	<u>\$125,000</u>
NET REVENUE FROM TRUSTS	<u>\$2,311,741</u>

MISCELLANEOUS REVENUE

Special Licenses and Leases	<u>\$ 481</u>
Sale of Equipment	<u>\$ 0</u>
Rent of Lands	<u>\$2,500</u>
Miscellaneous Income	<u>\$100,745</u>
TOTAL MISCELLANEOUS REVENUE	<u>\$103,726</u>

TOTAL REVENUE AVAILABLE	<u>\$3,730,251</u>
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EXPENDITURES

PERSONNEL SERVICES

Salaries, permanent	<u>\$855,997</u>
Salaries, seasonal	<u>\$497,473</u>
Overtime/Differential/Retro	<u>\$66,866</u>
Retirement Contributions	<u>\$354,207</u>
Other Benefits	<u>\$441,309</u>
TOTAL PERSONNEL SERVICES	<u>\$2,215,852</u>

ALL OTHER

Contractual Services	<u>\$333,126</u>
Park Operations – All Groups	<u>\$564,367</u>
Sta-Cap Charges	<u>\$29,422</u>
TOTAL ALL OTHER	<u>\$926,915</u>

CAPITAL

Buildings	<u>\$ 28,191</u>
Equipment	<u>\$99,599</u>
TOTAL CAPITAL	<u>\$127,790</u>

TOTAL EXPENDITURES	<u>\$3,270,557</u>
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Executive Summary: FY12 Annual Work Program

After several difficult budget years, fiscal discipline applied in FY09 and FY10 in combination with improvements in trust fund performance, wood products markets and the Park's reservation office and system have somewhat eased the budget construction process for 2012. Steady and deliberate changes to the Park's organizational structure to improve resource protection, public safety and economic efficiency are now nearing completion. Challenges remain in meeting the Park's maintenance and outreach needs and in providing an adequate safety net for unanticipated natural or social events.

Revenue Notes:

- Spending from the Baxter Trusts is estimated to be at 3.7% of the 20 quarter market value average and 3.4% of the 12/31/10 market value. This is still a percentage point higher than desired but the percentage from trusts continues to trend downward from FY09 levels. The Stewardship Index for the BNYMellon managed Trusts indicates that the real value of the Park Trusts are currently 0.07% less than 11 year ago – essentially unchanged.
- The balance forward from FY11 is estimated to be significantly higher than anticipated due to a combination of prudent spending, increases in visitor use during the summer of 2010 and improved wood markets and harvest volumes from the SFMA.
- For the third year, the Park's budget continues to be assisted by a significant donation from the Baxter Park Wilderness Trust. The Friends of Baxter State Park also provided support in the form of cost share and unrestricted donations

Expenditure Notes:

- Personal Services provided by the Bureau of Budget indicate a minor increase over FY11 budgeted levels. Final impacts of current proposed legislation in the areas of health care and retirement are as yet unknown. Historically, the Park has underspent in Personal Services by roughly \$100,000 each year. Discretionary spending in each line of All Other continues to be carefully reviewed. Most pool accounts continue to follow reduced levels set in FY09 and FY10
- Recent loss records will result in a significant increase in worker's comp costs for FY12. This increased cost is expected through FY14.
- Anticipated and lasting increases in all fuel costs and maintenance services reliant on fuel are reflected in the appropriate expenditure lines.
- The Park has identified priorities in staff training and development, the trail maintenance program, SFMA road maintenance, renewed FSC Certification in the SFMA, and several important Park

maintenance projects. Spending levels have been maintained in these areas. Although tripled since 2005, staff training still represents less than half of one percent of the Park's total budget.

- Capital expenditures seek to restore the vehicle and snowmobile rotations while we continue to consider ways to more effectively utilize our snowmobile and vehicle fleet.

3110 Perm Regular	3000 PERSONAL SERVICES	
	ACTUAL BUDGET FY10	759,919
	ACTUAL BUDGET FY11	740,669
	ANNUAL BUDGET FY12	
	ACTUAL BUDGET FY12	718,128

	CODE	ACTUAL FY2010	ACTUAL FY2011	ANNUAL FY2012	% OF FY12	ACTUAL FY2012	
EARNED REVENUE							
BALANCE BROUGHT FORWARD		311,321	211,327	185,982		285,405	
SPECIAL LICENSE & LEASES	1448	327	201	200	0%	481	0%
INTEREST ON BANK BALANCES	2101	0	0	2,000	0%		0%
EARNINGS ON INVESTMENT/Cash pool	2105	1,532	1,822	1,500	0%	3,857	0%
RENT OF LANDS	2601	2,500	-	2,500	0%	2,500	0%
RECREATIONAL USE OF PARK	2610	817,459	787,593	755,000	21%	846,901	24%
TRANSFERS	2616	6,849	8,312	7,000	0%	5,751	0%
ENTRANCE FEES	2618	122,092	152,646	122,000	3%	164,526	5%
REFUNDS & DUPLICATE FEES	2620	(2,786)	(4,975)	(3,000)	0%	(11,286)	0%
MISC SERVICES & FEES	2637	37,839	41,569	37,000	1%	47,958	1%
SALE OF MAPS & BOOKS	2657	29,166	38,866	28,000	1%	37,628	1%
CASH OVER/SHORT FOREIGN EXCHANGE	2689	6	(907)	150	0%	(94)	0%
CONTINGENCY FROM ENTERPRISE FUND(SFMA)	2722	71,404	304,934	180,000	5%	223,400	6%
CONTINGENCY FROM BAXTER TRUSTS	2724	1,890,000	1,955,000	2,095,000	60%	2,095,000	60%
CONTINGENCY FROM STATE HELD TRUSTS	2724A	140,633	110,393	100,000	3%	87,884	3%
SALE OF EQUIPMENT	2806	6,751	-	3,000	0%		0%
SALE OF AUTOS	2821	0	-	2,000	0%		0%
TOTAL EARNED REVENUE		3,123,772	3,395,454	3,518,332		3,504,506	
UNEARNED (Donated) REVENUE							
SMALL DONATIONS (<\$1000)	2686A	2,377	15,322	2,500		100,745	
LARGE DONATIONS (>\$1000)	2686B	85,000	124,000	85,000		125,000	
TOTAL UNEARNED REVENUE		87,377	139,322	87,500		225,745	
TOTAL REVENUE		3,211,149	3,534,776	3,605,832		3,730,251	
EXPENDITURES BY GROUP							
PERSONAL SERVICES		2,364,548	2,259,965	2,400,035		2,215,853	
ALL OTHER		836,889	844,530	1,025,797		926,915	
CAPITAL		121,175	38,975	180,000		127,790	
TOTAL EXPENDITURES		3,322,612	3,143,470	3,605,832		3,270,558	
CAPITAL RESERVE							
			102,515			102,515	

3120 Perm PT B				
3180 Perm Vac	54,206	44,671		62,987
3181 Perm Hol	45,639	46,375		45,088
3182 Perm Sick	25,273	31,301		26,501
3185 Perm Vac Pay Retire				3,293
3195 Attrition	0	0		
3210 Limited Period Regular				
3280 Limited Period Vacation				
3281 Limited Period Holiday				
3282 Limited Period Sick				
3310 SSNL REG	422,074	404,182		426,606
3380 SSNL VAC	26,452	27,372		29,512
3381 SSNL HOL	28,099	23,660		23,990
3382 SSNL SICK	12,925	8,520		16,784
3410 PROJ REG		16,146		
3450 REG ACTG	8,722	16,601		581
3480 PROJ VAC		163		
3481 PROJ HOL	246	1,507		
3482 PROJ SICK				
3611 STAND O/T	9,308	4,846		3,853
3612 PREM O/T	12,406	4,950		8,472
3616 RETRO LUMP	837	2,429		
3618 RETRO 84	10,000			
3620 Retire Incentive				5,000
3621 STP RC/RT	6,281	6,393		6,186
3623 I.T.TRAINING STIPEND	1,500	250		250
3631 LNGVTY PY	519	5,739		6,078
3634 CALL OUT		58		68
3636 Court Pay		69		
3638 SHFT DIFF	649	745		613
3641 NSTND DIF	43,106	36,537		36,346
3648 Comp U/P No Retirement		2,656		13,174
3810 UNEMP CMP	37,590	29,058		46,286
3899 ACCURED PAYROLLS				
3901 HLTH INSR	339,234	358,846		342,308
3905 DENTAL IN	12,039	12,131		11,992
3908 ST RET HL	205,385	130,698		115,357
3909 ST RET AD				
3910 EMPR RTMT	116,681	112,989		77,453
3911 EMPR GROUP LIFE	6,281	6,611		6,520
3912 EMPR MED	19,258	18,623		18,862
3959 RUL-BPR	47,525	48,422		47,864

3960 RUL-REG	110,910	114,947		113,533
3971 UNIFORM	1,484	1,800		2,167
3973 CHILD CARE				
	2,364,548	2,259,964	2,400,035	2,215,852
	ACTUAL BUDGET FY10	ACTUAL BUDGET FY11	ANNUAL BUDGET FY12	ACTUAL BUDGET FY12
PROFESSIONAL SERVICES				
4003 Act/Audit Service	61	-1,528	0	
4015 Labor	101,789	100,975	104,614	122,295
4016 Art /Graphics	0	21	500	
4041 Laundry Services	0	0	100	
4042 Legal Services	0	0	500	225
4046 Medical Services	1,150	556	500	2,119
4099 Professional Services	196,212	199,754	249,900	208,487
PROFESSIONAL SERVICES STATE				
4106 Lab Services	372	122	300	22
TRAVEL IN STATE				
4270 In-State Mileage	2,228	1,151	2,000	1,386
4271 Other Transportation	0	0	100	0
4273 Lodging	836	636	1,000	527
4274 Meals/Gratuities	6,204	5,502	6,000	3,493
TRAVEL OUT OF STATE				
4380 Out of State Mileage	0	0		
4381 Other Transportation (out of state)	0	505		
4383Lodging (out of state)	0	483	500	249
4384 Meals/Gratuities	7	0	200	0
VEHICLE OPERATIONS				
4402 Gas/Oil	41,267	48,162	60,000	52,671
4403 Diesel Oil	10,000	8,373	12,000	6,905
4423 Repairs Parts/Supply	29,204	22,070	30,000	27,373
4424 Repairs Snowmobile	4,252	2,292	5,000	4,928
UTILITIES SERVICES				
4521 Electric	11,192	10,352	12,000	10,279
4532 Bottled Water	689	306	500	416
4536 Other Utility	1,886	2,197	2,500	2,604
4551 Freight	4,017	3,818	6,000	3,651
	ACTUAL BUDGET FY10	ACTUAL BUDGET FY11	ANNUAL BUDGET FY12	ACTUAL BUDGET FY12
RENTS				

4601 Rent Land	500	500	500	500
4602 Rent Plane	0	640	1,200	545
4616 Rent Misc. Office Equipment	0	150	200	0
4661 Rent Equipment	0	185	1,000	90
REPAIRS				
4701 RepairGrounds & Rds	2,142	145		
4711 Repair Building	14,064	16,614	25,000	18,830
4721 Repair Small Engine	4,351	2,539	7,000	2,695
4726 Repair Radios	1,492	930	2,000	1,834
4735 Maintenance Agreements	19,962	16,393	20,000	14,177
4751 Misc. Repairs	2,030	2,084	3,000	1,843
INSURANCES				
4801 Insurance Building	2,138	2,154	2,300	2,229
4811 Insurance Equipment	290	290	500	290
4825 Insurance General Liability	2,475	2,303	3,000	14,102
4827 Snowmobile Ins		489	1,400	
4841 Employees Bond	118	118	200	156
4845 Workers Comp Ins.	61,261	82,428	91,000	95,599
4851 Mis Insurance	550	570	500	
4852 Auto Insurance	4,312	4,167	5,000	170
4880 Eye Exam	165	150	300	0
4881 Lens Stat	0	0	250	0
GENERAL OPERATIONS				
4901 Stamps/Parcel Post	8	0	200	1
4909 Courier Service	256	237	500	417
4911 Metered Postage	5,556	4,605	6,000	2,397
4913 Inter Government postage	41	38	100	69
4929 Printing/Binding	18,032	20,371	20,000	22,583
4941 Print Report (State of Maine)	118	69	100	56
4946 Advertisement Notices	2,727	2,156	2,000	2,613
4955 Credit Card Charges	8,780	13,225	10,000	11,063
4975 Sales Tax	62,348	67,300	65,000	67,246
4982 Subscriptions	561	379	500	253
4995 General Expenses	-16,471	3,309	30,000	7,082
CAREER DEVELOPMENT				
5013 Employee Training	19,492	14,076	13,500	10,148
Training budget for I&E			500	
Training budget for SFMA			500	
Training budget for Bus Dept			500	

	ACTUAL BUDGET FY10	ACTUAL BUDGET FY11	ANNUAL BUDGET FY12	ACTUAL BUDGET FY12
FUEL				
5201 Fuel oil/pellets	10,634	11,182	14,000	11,441
5202 LP Gas	7,520	7,013	10,000	8,725
5211 Firewood	2,450	2,160	3,000	0
INFORMATION TECHNOLOGY				
5301 OIT Prof services		4,758		
5302 Telephone/Data	31,632	26,944	30,000	25,864
5304 Cellular Phones	6,878	8,090	7,000	8,412
5346 PC & Networking Software	2,685	2,188	4,500	1,512
5350 Repair Computers	0	0	300	0
CLOTHING				
5401 Clothing	15,334	11,920	15,000	14,525
OPERATING SUPPLIES				
5602 Office Supply	6,371	7,558	7,000	5,089
5611 Interpretation/Education	394	155	2,500	278
5629 Books & Maps for Resale	9,673	16,197	10,000	24,039
5636 Miscellaneous Supply	37,228	42,071	50,000	42,099
5650 Misc. Minor Equipment	40,905	36,025	40,000	29,169
HIGHWAY MATERIALS				
5830 lumber	3,478			
5812 Culverts	0	0	3,000	0
5861 Signs	447	1,629	1,000	1,722
STA-CAP	32,596	31,461	20,533	29,422
Total All Other	804,293	842,251	1,005,264	897,493
Total All Other & Sta-cap	836,889	873,712	1,025,797	926,915
Capital				
7001 Land				
7101 Bldg./Improvements	12,220	3,105	89,000	28,191
7200 Equipment		21,016		
7203 Data Processing Equipment				
7211 Motor Vehicle Transportation				
New	52,038	14,854	64,000	99,599
Used	28,699		16,000	
Snowmobiles	28,218		11,000	
Total Capital	121,175	38,975	180,000	127,790
All Totals	3,322,612	3,172,651	3,605,832	3,270,557

Donations to Baxter State Park

Donations under \$1000

1/1/2012 thru 12/31/2012

Anonymous - Field Locations	Date	Amount
	5/31/12	\$42.33
	6/30/12	\$139.70
	7/31/12	\$207.73
	8/31/12	\$219.25
	9/30/12	\$212.70
	10/30/12	\$126.00

Total	\$947.71
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Anonymous - Reservation Office	Date	Amount
	5/1/12	\$5.00
	5/7/12	\$28.00
	6/30/12	\$14.00

Total	\$47.00
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Individual Donations	Date	Amount
James & Susan Lowe	1/17/12	\$250.00
Will & Matine Bindler-Desbiens	2/27/12	\$100.00
Ed Hawkins	3/7/12	\$500.00
Charles & Merrill Woodworth	3/9/12	\$200.00
Marica Williamson	4/2/12	\$75.00
Rick Bray/ memory of Alton White	4/9/12	\$50.00
James Garland & Carol Andreae	6/7/12	\$500.00
Cynthia Hibert	7/2/12	\$120.00
Kent Irish/reservation office	7/5/12	\$20.00
Margaret Fischer/memory of Jeanne Whitten	7/18/12	\$30.00
Chet Rubackin	7/19/12	\$50.00
Jean Hoekwater & John Gordon/memory of Roy Farnsworth	7/31/12	\$50.00
Stephen & Martha Berger/memory of Roy Farnsworth	7/31/12	\$50.00
Helen Trowbridge Hoffman/memory of Roy Farnsworth	7/31/12	\$50.00
Eugene St Pierre/memory of Roy Farnsworth	7/31/12	\$100.00
Elinor Brockway/memory of Roy Farnsworth	7/31/12	\$20.00
Lorelei Mack/memory of Roy Farnsworth	7/31/12	\$50.00
William & Charlotte Bower/memory of Roy Farnsworth	7/31/12	\$50.00
Stefanie Barley Cheryl Ring/memory of Roy Farnsworth	8/1/12	\$200.00
Richard & Shirley Babb/memory of Roy Farnsworth	8/1/12	\$50.00
Beverly Preble/memory of Roy Farnsworth	8/1/12	\$25.00
Ed Dwyer/memory of Roy Farnsworth	8/4/12	\$50.00
Jensen & Sheilah Bissell/memory of Roy Farnsworth	8/8/12	\$50.00
Edward Kellogg/memory of Jeanne Whitten	8/1/12	\$25.00
Mike & Arlene Wilson/memory of Roy Farnsworth	8/28/12	\$100.00
Craig R Troeager	9/13/12	\$100.00
John D Doyle Jr	10/29/12	\$125.00
Ester A Miller	11/1/12	\$150.00

Total	\$3,140.00
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Don. Over \$1000	Date	Amount
Wilderness Fund	2/23/12	\$30,000.00
Wilderness Fund	4/3/12	\$30,000.00
Wilderness Fund	7/5/12	\$30,000.00
Friends of Baxter	8/9/12	\$2,000.00
Wilderness Fund	8/9/12	\$1,000.00
Wilderness Fund	10/11/13	\$31,000.00
Ed Hawkins	11/1/12	\$3,000.00

Total	\$127,000.00
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Donation Purchases	Date		Amount
Transferred	2/23/12	General Account	\$30,000.00
Transferred	4/3/12	Gernal Account	\$30,000.00
Conterra /	4/4/12	Oxygen Caddy's	\$395.00
Moore medical	4/4/12	Oxygen Supply Kits	\$615.73
Conterra	4/25/12	Oxygen Caddy's	\$87.50
Moore medical	4/25/12	Oxygen Cylinders	\$450.45
Forestry Suppliers	4/25/12	Hypometer Vertex	\$1,757.34
Moore medical	5/3/12	Oxygen Supply Kits	\$227.48
Forestry Suppliers	6/19/12	GPS Map625/SFMA	\$440.86
Cascade Rescue	6/27/12	Litters	\$2,675.00
Baxter State Park	7/9/12	General Account	\$30,000.00
Amazon.Com/CC	9/19/12	Timberline Frames	\$246.90
Baxter State Park	10/17/12	Gernal Account	\$31,000.00

Totals	\$127,896.26
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2012 Information/Education Division

BSP Naturalist, Jean Hoekwater

BSP Interpretive Specialist, Marcia Williamson

BSP Visitor Center Customer Assistant Representatives:

Brian Johnston and Bob Gonya

2012 Wilderness Educators: 6 month: Acadia Tripp, 12 week: Kelsey Johnson, Julianna Hansen and Rachel Batz

2012 A.T. Steward: Jonathan Lemberg

... "One way to open your eyes is to ask yourself, "What if I had never seen this before? What if I knew I would never see it again?"
- Rachel Carson-



Winners of the Naturalist Adventure Pack drawing: Nathan and Alex True of Clifton ME, exploring their backyard and well on their way to becoming great naturalists!

2012 Programs-Introduction

The 2012 summer Evening Programs offered visitor favorites, such as Donn Fendler, in addition to programs facilitated by Park staff and a new presenter, Jennifer Vashon, Canada Lynx and Black Bear Biologist for the Maine Department of Inland Fisheries and Wildlife. Astronomer Doug Rich used his new solar telescope to view sunspots, expanding his popular celestial programs to the daylight hours this year. Children's summer programs continued to delight our young visitors with the opportunity to discover frogs and other pond life, dissect an owl pellet and become a beaver detectives. The Millinocket Public Library program offerings were very well attended this summer and fall, providing an opportunity for local youth to discover the world of bees, why leaves change color and what birds eat and where they live in the summer and winter. Late fall and winter is a time for outreach programs statewide at schools, outing clubs, civic groups, Boy and Girl Scouts and more. The key educational component of our programs continues to be Percival P. Baxter's gift to the people of the State of Maine and the mission of the Park. The following is a list of the summer Evening programs, Children's programs, Millinocket Library programs and Park outreach programs provided by the Information and Education Division staff.

2012 Program Series Evening Programs in the Park:

- 7/1 Daicey Pond – **View Sunspots Through a Solar Telescope** – What can you see in the sky during the day when the sun is so bright? Doug Rich, Supernova Hunter and local Astronomer, and visitors viewed our nearest star with a solar telescope and drew a sunspot based on what they saw. Doug provided this program at a different campground each month through September!
- 7/4 South Branch Pond – **Leave No Trace in Baxter** - Campground Ranger and veteran LNT instructor, Gabe Williamson, engaged campers through interactive activities to demonstrate what Governor Baxter meant when he wanted the Park used in the "right unspoiled way".
- 7/9 Kidney Pond – **View Sunspots Through a Solar Telescope** – Doug Rich, Supernova Hunter and local Astronomer.
- 7/11 Kidney Pond – **How Did that Very Big Rock ("The Kidney Stone") Get Here and Other Glacial Mysteries!** – Robert Johnston, Geologist with the Maine Geological Survey explained the mysteries of erratic, eskers and glacial deposits, along with the forces that created Katahdin's present day shape.
- 7/18 Daicey Pond – **Does Your Pack Feel Like It Weighs 100 lbs?** – Chief Ranger, Ben Woodard, provided answers to such questions as what do I really need to carry to ensure a safe and enjoyable hike and what one item isn't carried by many people that accounts for most of the rescues in the Park?
- 7/23 Katahdin Stream – **"Katahdin an Historic Journey"** – With Katahdin as a backdrop, John Neff, long time park user, trail maintainer and author, recounted the historical events of the land that eventually became Baxter State Park.
- 7/25 Kidney Pond – **"Lost on a Mountain in Maine"** – One of our most popular evening programs – Donn Fendler provided a personal account of being lost for nine days in the North Maine woods 73 years ago.



- 8/1 Daicey Pond – **Wilderness on Its Own Terms : Fatalities in the Park** – Wilderness offers challenge and beauty and also risks. The Park Director, Jensen Bissell recounted the history of fatalities in Baxter State Park and their causes, dating back to the late 1800's.
- 8/6 Trout Brook Farm – **View Sunspots Through a Solar Telescope** – Doug Rich, Supernova Hunter and local Astronomer presented this new program in the field of Trout Brook Farm.
- 8/8 Kidney Pond – **Hoo-Hoo-Hoo-Who Comes Out At Night?** The Park Naturalist, Jean Hoekwater, was joined by visitors for a night of exploration and learning about the nocturnal creatures in the Park by using their senses – sight, hearing and smell.
- 8/18 Daicey Pond – **The Shy Maine Black Bear and the Elusive Canada Lynx** – Jennifer Vashon, Canada Lynx and Black Bear Biologist for the Maine Department of Inland Fisheries and Wildlife provided a view of these iconic Maine woods animals' habitats, populations, encounters with humans and some of the equipment used to monitor their behavior.
- 8/19 Kidney Pond – **Star Magic** – Due to a cloudy sky, limiting star visibility, Doug Rich, Supernova Hunter and local Astronomer, facilitated an impromptu interactive star trivia activity in the Kidney Pond Library.
- 8/21 Daicey Pond – **Visiting Artist Open Studio** – Baxter State Park's 2012 Visiting Artist, Suzanne Savage Brewer offered an opportunity to paint with an artist, learning landscape drawing and painting techniques, using the ever changing beauty of Katahdin reflected in Daicey Pond to stimulate creativity.
- 8/22 Daicey Pond – **A View of the Park Through an Artist's Eyes** – The Park's Visiting Artist, Suzanne Savage Brewer, demonstrated some of the painting and drawing techniques she uses to capture nature on canvas. Many of her completed paintings and some in progress from the previous 10 days spent in the Park were on hand for viewing.
- 8/23 Kidney Pond – **Theodore Roosevelt's Connection to Katahdin and Conservation** – Joe Wiegand, a Theodore Roosevelt repressor, provided an amazing, poignant and humorous presentation of T.R. By evening's end, visitors felt as though they had a fireside chat with the "Rough Rider" himself.
- 8/29 Katahdin Stream – **Wilderness on Its Own Terms – Fatalities in the Park** – How many people died in the Park and how did they die? The wilderness offers beauty, as well as challenges and risks. The Park Director, Jensen Bissell recounted by event and year the deaths that have occurred in the Park since the late 1800's.
- 9/5 South Branch Pond – **A Volcano in Baxter State Park?** –Robert Johnston, Geologist with the Maine Geological Survey, pointed out how the rocks and landscape tell us about the volcanic history of this area while on a short hike up the Ledges Trail.
- 9/12 Kidney Pond – **View Sunspots Through a Solar Telescope** – Doug Rich, Supernova Hunter and local Astronomer treated visitors to a view of our closest star and sunspots for the final program of the season.



9/17 South Branch Pond – **A Unique View of the Park Before and During Its Creation Through the Eyes of Three Katahdin Authors** – John Neff, Howard Whitcomb and David Little led visitors on an historic journey of Baxter State Park through its early years to the present time using photographic images, art and storytelling.

9/19 Kidney Pond – **Star Magic** – Doug Rich, Supernova Hunter and local Astronomer, helped visitors find constellations, major stars and shared star trivia while viewing a wondrous display of stars in the night sky. Prior to the viewing, he presented a surprise hands-on activity creating a personal star chart for all ages.



Children's Programs in the Park

- 7/7 Daicey Pond – **Spy on Squirrels** – Squirrels are a common sighting in the Park and what fun to make a pair of binoculars, then watch them jump between branches, scurry up trees, discover what they eat and find where they live by being a spy.
- 7/14 South Branch Pond – **The Miracles and Mysteries of Pond Life** – Youngsters got wet while they explored and learned about what lives and breathes in and around the pristine ponds of Baxter State Park.
- 7/21 South Branch Pond – **Beaver Detectives** – Eager detectives learned to recognize the tell-tale signs of beavers, inspected a vacant lodge, studied beaver teeth marks on stumps of trees and finding beaver sticks. They also made their own beaver masks.
- 7/21 Daicey Pond – **Read to Me Ranger** – Many of us remember being read to at bedtime and this program invited children and adults to don their pajamas and listen to a staff member read Native American tales, such as “How Chipmunk Got His Stripes”, “Turtles Race with Beaver” and more!
- 7/26 Kidney Pond – **Recipe for a Forest** – The forest recipe enlightened young visitors about the needs of all living creatures and organisms to live their lives, whether it be a cabin for humans or the hollow in a tree for a bird, demonstrating that we aren't so different from one another in our needs to survive.
- 7/28 Daicey Pond – **The Frog Chronicle** – The pond provided the ideal location for observing frogs in different stages of their life cycle, learning what they eat for lunch and who they share the pond with.
- 8/2 Kidney Pond – **Spy on Squirrels** – offered a second time, delighting children as they observe these bushy-tailed, chattering small animals with their hand-made binoculars.
- 8/4 South Branch Pond – **Beaver Detectives** – back by popular demand - wading the outlet, young detectives found a vacant woody beaver lodge, observed beaver teeth marks on tree stumps and discovered beaver sticks after making a beaver mask and learning how beaver's teeth continue to grow throughout their lives.
- 8/11 Kidney Pond – **Who Is On The Menu?** – A group of children immersed themselves in dissecting an owl pellet to uncover what the owl ate



for dinner, matching the bones and skulls to chart revealing a mouse, a vole or a mole. They also compared the length of their arm spans to that of different owls' wing spans to provide a visual understanding.



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Children's Programs – Millinocket Memorial Library

- 7/18 **Buzzing Bees** – The buzzing sounds of children could be heard searching for flowers outside the library while they learned about how bees collect nectar and that they see all colors except red and prefer yellow, purple and blue flowers.
- 8/8 **Recipe for a Forest** – Questions posed to the young participants, such as what do you need to survive and what do animals need, created an understanding that we are not so different in our needs for food, shelter and air and that the forest supplies all of these for the animals.
- 9/12 **Leaf Hunt** – An excited group of leaf hunters identified tree species by their leaves after creating their very own leaf identification booklet.
- 9/26 **Tricky Tracks** – Learning to walk like an animal can be tricky, yet the children mastered the trot of a fox and the hop of a snowshoe hare without difficulty. Their excitement was palpable as they made a track bandana, using the tracks of their favorite animals.
- 9/27 **Buzzing Bees** – This popular program was provided a second time for those children who couldn't make it earlier in July, again providing an opportunity for children to learn about the amazing life of bees.
- 10/3 **Birds of Play** – What fun to don a costume of a native bird and look like a pileated woodpecker or a loon. That is exactly what the children did while learning the different characteristics of each bird, what it eats, how many eggs it typically lays and where it lives in the summer and winter.
- 10/17 **The Colorful Mysteries of Leaves** – Curious youngsters discovered nature's mystery of why and how the leaves change color in the fall while going on a leaf scavenger hunt and making tie-dyed leaves resembling the fall colors of maple, oak and birch leaves.



Park Outreach Programs

- 3/21 Hibbard Nursing Home in Dover Foxcroft
- 3/24 University of Scouting, Auburn
- 3/30 Young Authors Institute University of Maine Presque Isle
- 4/6 UM Machias Wilderness Management Class
- 4/25 Cub Scout Pack 205, Patten
- 5/10 Brownville Elementary School, Nature Day
- 5/12 Maine Rock Club, Milford
- 5/15 Center Drive School, Orrington
- 5/17 Katahdin Health Care Nursing Home, Millinocket
- 5/20 MATC AT Ridgerunner/Caretaker training, BSP and alpine ecology orientation

- 5/25 Isleboro School, Bear Brook Evening Program
- 6/6 Leave No Trace Best Practices Workshop, Damariscotta
- 7/13 Trust for Public Lands, Katahdin Lake, orientation to BSP and Katahdin Lake
- 8/5 Leave No Trace in Baxter State Park, Maine Youth Wilderness Leadership Program, South Branch Pond
- 8/10 Maine Youth Wilderness Leadership Program, Chimney Pond.
- 8/10 Kid Care America Program
- 9/6 North Haven school, BSP orientation
- 9/12 Wilderness Educator Internship presentation by Acadia Tripp, Wilderness Educator, at University of Maine Machias
- 9/14 Trail's End Festival, short hike on AT corridor
- 9/15 Trails End Festival Booth for Children
- 10/25 Granite School 4th graders
- 10/30 Kennebunkport Consolidated School and Kennebunk Elementary Schools – 4th graders

In-House Trainings Offered or Hosted

- 5/8 BSP 101 Orientation for New Employees
- 5/21 Leave No Trace Training for Trail Crew & Wilderness Educators
- 6/20-21- Two Day Leave No Trace Trainer Course
- 6/20, 7/14 primer on the Appalachian Trail in BSP, with BSP 54.
- 7/11 Training and trail patrol with AT Steward
- 8/13 Leave No Trace Training for Trail Crew & Wilderness Educators
- 9/19 SFMA Tour for Wilderness Educators
- 10/3 SFMA Tour for Wilderness Educators

Information/Education Projects



Park Newspaper

2012 marked the third annual issue of *Wildnotes*, the Park newspaper. We are once again grateful to Pamela Redick for her generous permission to use her artwork which livens up our message and encourages people to read *Wildnotes* year after year. In addition, the 2012 issue also featured artwork from Michael Boardman, 2010 Visiting Artist, and photographs, clip art, and illustrations by Lee Cordner, Brendan Curran, Diane Frelove, Alan Larsen, B. Miller, Ken Wadness and the BSP Photo Files.

Barb Bentley and Sarah Holland, Friends of Baxter State Park, have been instrumental in helping the Maine Tourism Bureau outlets maintain a steady inventory as well. While the newspaper is primarily designed for distribution to visitors entering the Park, when placed in outlets far from the Park, we hope it informs a wider audience about recreational opportunities in the Park and inspires them to learn more about Percival Baxter's great generosity and legacy. Park Interpretive Specialist Marcia Williamson also deserves recognition for the fine job she has done incorporating children's pages into the paper. In 2012, we made a special effort to alert incoming visitors to the fact that the Park was intended to provide a primitive camping

experience and to address the troublesome trend of some hikers not knowing appropriate ways of dealing with waste, including bathroom needs while hiking trails. We also featured a special article on visiting the Park in the winter, sharing some basic tips and suggestions that might enable first –timers to consider expanding their experience in the Park to include a winter visit.

Project Wild Aquatic

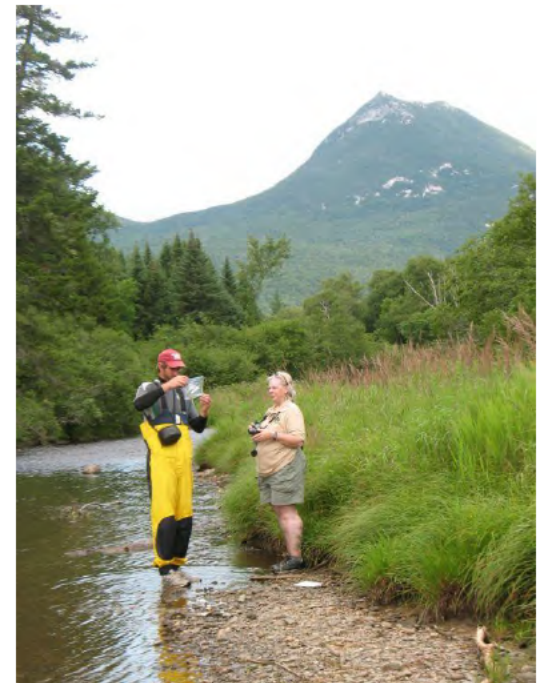
The BSP Information/Education Division offered to host a Project WILD Aquatic workshop on September 28th for area teachers, home school educators, environmental educators and college students planning to teach upon graduation. Wilderness Educators recruited energetically, sending notices out to each of these groups. Unfortunately, the minimum number of participants needed to fill the workshop was not met, resulting in a cancellation with hopes to schedule another workshop within the next couple of years. We remain committed to working with agency educators, such as I.F. & W.'s Lisa Kane, and Maine Tree Foundation's Pat Maloney, who provide their expertise, educational tools and resources for teachers interested in using Baxter State Park for a classroom!

Volunteers

Jr Ranger booklets: The Jr. Ranger program is popular! As an example, South Branch Pond campground graduated 53 Junior Rangers in 2012! Luckily, we have a devoted group of volunteers copying, collating and stapling over 1000 booklets to meet the need: Laurie Rich provided 17¼ hours, Diane Frelove and Katrina Kinhead provided 3½ hours and Doug Rich provided 1½ hours.

BSP Flora

Glen Mittelhauser coordinated a large number of volunteers in this summer long effort: Participants contributing from 8- 40+ hours included Colin Brewster Cuning, Henry Cunningham, Alison Dibble, Diane Frelove, Connie Gatz, Juliana Hansen, Anne Huntington, Jerry Jenkins, Kelsey Johnson, Jerry Longcore, Marilee Lovit, Dawn Morgan, Caitlin McDonough, Candace McKellar, Dakota Smith, Rick Speer and Abbe Urban.



Glen Mittelhauser and Diane Frelove working on the flora in BSP.

BSP Katahdin Guide (formerly Clark Guide): Photographers Jim Boutin and Laurie Rich donated use of images for the front and back covers.


2012 Education Issues

Bear Problems:

A sporadic and generally sparse wild berry crop in 2012 resulted in bears ranging far and wide for sustenance for themselves and cubs. Bears are opportunists when it comes

**All Baxter State Park Visitors—
Please Read For Your Safety**

Bears have been active in this area. To prevent bears from getting any food, please follow the guidelines below for securing your food, trash and all scented items.



Do not leave your food, trash, scented items or backpack unattended at any time. If you are going for a canoe paddle or a short hike around the area, be sure to take your backpack and any food, trash or scented items with you. If you have a long rope, another option is to toss the rope over a tree limb at least 15 feet up and 6 feet out from the tree. Pull the bag of food/trash/scented items or backpack up at least 12 feet from the ground and tie the rope around the tree trunk as high as you can from the ground.

PLEASE, if you see a bear AVOID IT!

- DO NOT:** Allow a bear to approach you (closer than 20 feet is too close)
- DO NOT:** Feed any animals in the Park
- DO NOT:** Coax animals to get closer or try to pet animals
- DO NOT:** crowd closer to animals to get a "good photo"

Store all trash/food/toiletries/scented items in your backpack and either take it with you or if prepared, hang it as mentioned above.

Baxter State Park is managed as a natural wild setting for animals. These bears need to fatten up on their natural foods to survive the winter. If we are forced to attempt to relocate a bear family because of human carelessness, their chances of surviving the winter are severely reduced. We need your help to ensure the bear's survival in the wild. **Thank you!**

Failure to comply with BSP Regulations or follow these instructions will result in eviction from the Park and/or being issued a summons.

to finding food, relying on their keen sense of smell to lead them to a meal. This summer, some Park visitors experienced aggressive bear behavior, including a bear ripping tents, stealing food from cabin porches and displaying a general lack of fear of humans. A major educational effort was put in place with posters addressing proper food storage, what to do if a bear comes near and how to avoid a bear encounter. Information sheets were handed out to both day-use visitors and campers. They were also posted on bulletin boards, picnic tables and in outhouses, as well distributed to all arriving visitors entering Togue Pond Gate and Matagamon Gate. Campground and BSP Rangers provided additional education and reinforcement. It was noted that many campers coming to the Park have become complacent when storing food, i.e., leaving coolers out, hanging trash on the side of a lean-to or from a low tree limb. Because Black Bears are typically afraid of humans, there have been few encounters over the years and it is easy to forget that we share this land with wild animals. We view this as a continuing educational effort with Park visitors in the coming years to help keep bears and other animals wild and protected in their natural habitat.

Invasive Aquatic Plants – Introduction of Salt Water Buckets – With the spread of invasive aquatic plants becoming more widely discovered, namely the highly invasive Didymo, the Park took a proactive approach this season to provide education and a way to help prevent the introduction of this invasive by placing salt water bucket wash stations at the Visitor Center, both gatehouses, and Ranger Stations. The salt water buckets are meant to address the spread of Didymo or “rock snot” specifically. Why the concern about Didymo? It can be easily spread if even one cell of the algae is lodged in the sole of waders or fishing boots or attached to fishing gear. That one cell can start the process of altering habitats that could negatively affect native species, such as brook trout and land locked salmon. It prefers fresh water streams or fast moving water and attaches itself to the bottom of the stream on rocks, etc. While Didymo has not yet been detected in Maine, it is wise to assume that any body of water could have Didymo, yet to be detected therefore preventive measures are highly recommended in a Park with so much productive pristine wild brook trout habitat. Many visitors and anglers visiting the Park are coming from out-of-state areas, including locations with invasives. We are encouraging them to use the salt water buckets prior to fishing at various ponds in the park and to develop the habit of using a wash station no matter where they fish. The buckets are easy to use by submerging fishing boots, waders and/or gear into the bucket for 3 minutes. Instructions were also provided for anglers to create their own salt water buckets to carry with them and use when going from one body of water to another, even in the Park. With this educational effort in place, we hope to prevent the introduction of Didymo for as long as possible.



Upcoming Hiking Group Size Limit Regulation Change Research at recreational areas across the country has shown that large groups can create more environmental and social impacts when recreating on public lands. After much review, Park managers have decided to implement a regulation, effective in 2013, to limit the size of groups hiking within the Park, aligning ourselves with other national, state and regional parks and Leave No Trace recommendations. This new regulation sets a maximum number of 12 for any hiking group within the Park. Larger

groups can still camp within the Park, taking advantage of the group area campsites, but as of 2013, when hiking, they will need to break into smaller groups of 12 or less.

In the early spring of 2012, a mailing was sent to all groups who regularly come to the Park, using past records and also to all summer camps within the State of Maine to inform them of the upcoming change in 2013. Also, an educational letter was handed out at Togue and Matagamon Gates to all groups registering to enter the Park. Another letter will be mailed early in 2013 as a reminder to groups planning a trip to the Park. This change is intended to minimize impacts created by larger groups, such as sitting on fragile alpine plants when gathering to eat lunch in the alpine zone or creating a noise disturbance to those who come to enjoy the quiet that wilderness can offer. It is anticipated that this will take a couple of years providing education to all groups, both repeat and new Park visitors, entering the Park.

Media

In 2012 the Park permitted and hosted a couple of different media projects. In mid-July, Justin Lewis and Michelle Stauffer of "70 Degrees West" productions visited the Katahdin area and spent a morning interviewing Park Naturalist, Jean Hoekwater. Their company is producing an environmental and humanitarian photo-documentary pole to pole, following a single line of longitude, examining human impact and the capacity for humans to meet challenges in new and constructive ways.

On July 23, Brian Chalfour from Channel 7 interviewed BSP Ranger Rob Tice at Roaring Brook and Campground Ranger Cathy Lusk at Chimney Pond prior to his hike up Katahdin. Other media project inquiries included Peter Huston, who is working on a documentary on A.T. thru hiker Grandma Gatewood, and Sam Henegar, also planning a documentary project on the Appalachian Trail. Neither project has completed the application/permit process. One piece of media coverage took us by surprise. Ryan and Rebecca Means and their daughter Skyla, have been on a quest to discover and document the most remote place in each of the 50 states. They have decided to define maximum remoteness within each state as the point that is farthest from a road or town, using GIS to calculate the exact location. They began Project Remote in their home state of Florida in 2009 and visited Maine's most remote spot on June 24, 2012. The "remotest spot" in Maine turns out to be a stand of trees not far from Russell Pond in Baxter State Park.

Seasonal Staff

2012 Wilderness Educators

Usually about half of our Wilderness Educators hail from Maine, with the remaining coming from all parts of the U.S. The surprising outcome of the 2012 interviews and hiring is that three of these positions were filled by Maine natives with Rachel Batz joining us from Indiana. Over the past 6 seasons, Interpretive Specialist Marcia Williamson has carefully structured progressive training and ongoing evaluations throughout the season to maximize benefits for both the Park and the Wilderness Educators. Under her steady guidance, these positions have greatly increased the Park's protection of the alpine environment, outreach to Park visitors and the local community and public awareness of the Park's mission and policies. As in the past, the 2012 Wilderness Educators proved to be talented and enthusiastic when it came to providing information and education to Park visitors.

Acadia Tripp was selected as the six-month Wilderness Educator from May 13 through



October 27. She graduated from the University of Maine at Machias the day before she started working with us, earning a BSc. degree in Environmental Recreation and Tourism Management. Experiencing the “captivating beauty” of Baxter State Park instilled in Acadia a desire and interest in working within “this unique and natural setting”. After taking a Leave No Trace Trainer Course, she became even more passionate about teaching others low impact recreational practices. She came with experience in public relations, environmental education and trail crew work for the Northern Forest Canoe Trail, which prepared her well for the

black flies of BSP. Acadia’s brought passion and artistic creativity to her position, as well as prior knowledge of the Park and its terrain.

Kelsey Johnson joined us as a three-month Wilderness Educator from May 20 through August 11 Kelsey presently attends Prescott College in Prescott, Arizona focusing her studies on Ecology & Natural History with a minor in Environmental Education. She had extensive knowledge of Baxter State Park, having spent the last 20 years visiting and exploring the Park’s natural environment with her family, or as she says, “I grew up in Baxter State Park”. Kelsey also had experience in public relations and teaching fifth graders different philosophies and ideas of environmental education as part of her college curriculum. As a result, she shared new and innovative ideas with both staff and Park visitors.



Julianna Hansen, a three-month Wilderness Educator from July 29 through October 20, grew up in coastal Maine, where she developed her appreciation and respect for the outdoors. She studied history and environmental studies at Goucher College in Towson, Maryland. Shortly after graduating, Julianna was hired as an environmental educator by the Patterson Park Audubon Center in Baltimore, Maryland. She coordinated and taught after school programs for grades 2-4, developed curriculum for a high school watershed education program, and helped run summer camps and stewardship activities. Julianna brought a wealth of knowledge and



experience to her new position.

Rachel Batz also a three-month Wilderness Educator from July 29 through October 6, graduated from Indiana University, Bloomington, Indiana in May with a BS. in Outdoor Recreation and Resource Management. As part of her curriculum, she spent a month-long expedition in the backcountry of Colorado and Utah with extensive Leave No Trace training. A summer position in the Charles Deam Wilderness in Hoosier National Forest stimulated her desire to inspire others to become stewards of wilderness areas. She had experience working with children at summer camps and as a Civil War Nurse Interpreter in a State Park. Rachel shared her passion for the protection of wilderness areas.



2012 Togue Pond Visitor Center

In 2012, the Visitor Center recorded 17,132 visitors, opening on May 18 and closing October 13. Of this total, 2,081 were children. Brian Johnston returned for his third year and we hired and trained a new employee, Bob Gonya, to fill the second position, vacated by Chris Morris. Though new to Park employment, Bob has visited and enjoyed the Park for many years as an outdoorsman and Middle School teacher who led many field trips and outings in the Park over the years. We are lucky to have two individuals who enjoy the outdoors and all the Park offers, serving at the Visitor Center and greeting visitors entering the Park. Additional coverage in 2012 was provided by Interpretive Specialist Marcia Williamson, Roving Ranger Dan Pontbriand and Wilderness Educator Acadia Tripp. Special recognition goes to former reservations contractor Kelly Michaud, who stepped in on very short notice to fill a temporary vacancy at the Visitor Center for 8 weeks this season! Her experience working at Park Headquarters in previous summers allowed her to seamlessly join efforts with staff on duty and quickly progress to covering full shifts on her own. Without a doubt, Park visitors benefit enormously from the continued cooperation of so many dedicated Park employees helping with this duty station each season!

2012 A.T. Steward and 2012 A.T. News

In 2012, Baxter State Park assumed the full labor and administrative cost for this position, formerly called the Maine Appalachian Trail Club (M.A.T.C.) Abol Ridge Runner. We had increasing needs where the A.T. enters the Park at the same time the M.A.T.C. was experiencing a greater need for patrols in the 100 Mile Wilderness, just south of the Park. Some of the need was due to increased numbers of Southbound thru-hikers and some to a overall increase in numbers of thru-hikers (see cumulative stats on Long Distance hikers in the Appendix section of this report). In a departure from the previous shared model for this position, Park administrators decided to absorb the full cost of the position, also changing the position title in the process. Our long-standing, cooperative partnership with the MATC continues but the Park Naturalist position now takes on full hiring and supervision for this position.



In 2012, we were fortunate to attract Jonathan Lemberg, a veteran A.T. Ridge Runner and distance hiker, to the position. Jonathan has the distinction of being the only person known to have worked three different Ridgerunner/Caretaker jobs in one season! He started his 2012 season working with the northbound hikers, at Springer Mountain, GA. As the season progressed, he moved up to Mt Rogers, VA to work for several weeks. On July 8, he arrived to begin his season with us at the northern terminus of the trail!

Shortly after arriving, on July 11, Jonathan walked the section of trail from Daicey Pond to Abol Bridge with Park Naturalist Jean Hoekwater, while they discussed various facets of the work. On July 14, the first weekend

Jonathan worked, BSP Ranger Bruce White and Jean Hoekwater offered an orientation to Park policies on the A.T. at Katahdin Stream campground. The meeting was attended by Jonathan, new VC employee, Bob Gonya, BSP Ranger Mike Winslow, Bill Martel of Abol, Yves Baribeau and Betsy Dawkins of Katahdin Stream, Paul Renaud from the AT Lodge, and Andy Vietze from Daicey Pond. Bruce White's suggestion to offer several training sessions at different times/ locations to train Park staff on AT policies was an effective way to reach a diverse and busy group of employees, each with an important role interacting with the distance hikers.

2012 marked the 75th anniversary of the Appalachian Trail, including many celebrations along the trail. Jonathan attended the biggest of these celebrations held in Maine, at Sugarloaf on August 18, which gave him a chance to visit with other Maine AT Caretakers/Ridgerunners and MATC representatives.

Park Naturalist Jean Hoekwater participated in the annual training session for Maine A.T. Ridgerunners and Caretakers, held at Bigelow Lodge on May 20. This is an opportunity to share general information about how the Park works with distance hikers arriving to stay overnight and hike Katahdin. A second part of the program covered alpine plants and ecology. This training is a valuable opportunity to talk with all the individuals involved in meeting and greeting hikers in Maine's high elevation portions of the AT, especially hikers headed for Baxter State Park. The A.T. Steward, stationed strategically where the A.T. enters the Park, is our first and best solution but it is also very helpful to have people further south in Maine saying the same thing we are saying.

In the interest of re-invigorating our partnership to meet future challenges, the Park and partners from the Appalachian National Scenic Trail (NPS), Maine Appalachian Trail (MATC) and the Appalachian Trail Conservancy (ATC) met in Bangor November 14 to discuss issues we all face in serving this visitor group and to brainstorm solutions. The Park shared statistics from previous years for various categories of A.T. hikers, with one of the most obvious trends being a steady increase in the number of Southbound Thru-hikers and also, clear indications of the southbound "season" extending into all operational months vs. being isolated in May and June. Park Director Jensen Bissell contrasted the numbers and growth we were seeing in A.T. use with our Park mission. Of additional concern to BSP management, painting on or tagging of boulders along the A.T. corridor, including prominent boulders on the Hunt/A.T. trail up Katahdin, may be a new trend. With distance hikers representing about 2% of total Park use and more than half of all Park visitors aspiring to climb Katahdin, most expecting a pristine natural environment, this recent trend caused concern late in the summer. Park patrollers were tasked with removing the offending marks but it was a topic of discussion at the November partners meeting. Discussion also briefly touched on the conduct of a few hikers in Millinocket. For the first time in anyone's experience, some hikers, identifying themselves as thru-hikers, chose to stand at the traffic light in Millinocket, displaying signs asking for money. Park officials emphasized that this strikes a sour note in a town facing genuine economic difficulties but trying to embrace tourism. ATC representatives requested the Park assist with updating currently available guide book sections about the Appalachian Trail in Baxter State Park. The meeting ended with renewed commitments on behalf of all partners to stay in communication, especially during the summer hiking season and to continue to keep each other informed on issues in our respective locations.

Research & Special Permits

As noted in the dedication of this 2012 BSP Annual Report this year, we lost a faithful, long serving member of the Baxter State Park Research committee. Roy Farnsworth, geology professor emeritus from Bates College, was asked to serve on the committee in 1988 by former Park Director Buzz Caverly. Roy served faithfully until just recently when his health prevented him from attending meetings and field trips. Over the years, he contributed his opinions and thoughts on every proposal forwarded to him and provided great stability and fairness to the committee's work. His cheerful demeanor and well-rounded consideration of research proposals will be sorely missed!

In 2012, Biologist Nels Kramer from Maine Inland Fish and Wildlife Department, Enfield office, organized a continuation of field surveys begun in 2011 to sample ponds in the vicinity of Russell Pond area. He scheduled one team August 3-4, checking Long Pond and Turner Deadwater and another team August 7-8, re-surveying Little Wassataquoik Lake, and performed a new survey on Bell Pond. Participating in the survey effort was Kevin Dunham, Brian Campbell, Joe Overlock and Tyler Grant.

At the Park Director's request, the Enfield I.F. & W biologists also conducted a new survey at Rocky Pond, near Katahdin Lake. The survey was a first for the Department but the pond will now be added to the list of surveyed waters for future field checks and monitoring. Also in 2012, Maine Department of Environmental Protection field workers returned to the Park to survey Pogy Pond, as part of their comprehensive survey of waters in the Wasataquoik drainage over the last several summers.

On June 28-30, Professor Julia Daly of UM Farmington was given permission to recover temperature probes placed in Basin Ponds and Chimney Pond in late summer 2011. Unfortunately, the loggers in Upper Basin Ponds were not able to be relocated during this trip. However, the Chimney information was downloaded and the probes were replaced for further data collection. A brief summary of preliminary results and an Excel file showing cumulative data from Chimney Pond can be found in the Appendix of this report.

On August 19, 2012 Rick Speer and Steve Perkins



conducted a field check for Smooth Woodsia Fern, *Woodsia glabella* as part of ongoing field checks for species of concern by plant volunteers working with the New England Wildflower Society.

By far the largest project requiring a special permit in 2012 was the pilot season of the Baxter Flora plant survey. At the request of the Park and with support from both Baxter



State Park and the Friends of Baxter State Park, ecologist Glen Mittelhauser, Director of the Maine Natural History Observatory, has embarked on an ambitious effort to inventory and catalog the plants of Baxter State Park. The preliminary goal is to create a Flora for Baxter State Park so that Park managers as well as researchers and the general public have a reference. When the list is relatively complete, Glen will use the newly produced Flora to produce a Guide to Plants of Baxter State Park, similar in style and scope to the 2011 published Guide To Plants of Acadia. Except for Katahdin, most areas of the Park have not been studied by botanists in any great detail. In the first season, Glen organized 5 surveys, each approximately 5 days in length, to different locations in the Park: Trout Brook Farm, June 24-31, Nesowadnehunk Field July 14-18, Kidney Pond July 24-28, Katahdin lake August 13-17 and Russell Pond September 7-11. A list of the volunteers who participated in this project can be found under the "Volunteer" section of this report. In concert with this project, Glen Mittelhauser and select co-leaders were permitted for discrete collection of plant material when plants were not identifiable in the field. Specimens will be properly mounted and stored at the UM Orono herbarium. This project will continue until representative areas and communities in the Park have been surveyed at different times in the season to capture most of the species. A Flora is a living document, added to and updated as more plants are discovered in the Park.

Monitoring/Inventory

American Pipits

On June 16, Interpretive Specialist Marcia Williamson and Park Naturalist Jean Hoekwater began Alpine Steward training to prepare the Wilderness Educators for this part of their duties, including field checks of the Mt Plant Watch stations. At the top of Saddle Slide, after documenting plant station #1 together, the group split, with Marcia covering plant stations 2-5 with the trainees, while Jean headed across to check the Northwest Plateau for pipits. She took the Northwest Basin Trail and Hamlin Peak cut-off, then hiked across the NW Plateau. Weather was clear and calm, affording good viewing opportunities for display flights and hearing calls and songs. No pipits were detected on this section of the mountain. There was at least one pipit displaying uphill from Caribou Spring, likely near Hamlin Peak. This was year two for checking pipits during June patrols on Katahdin. Our goal is to learn more about where pipits are most consistently found on Katahdin and share information with those concerned about this species.

High Elevation Bird Surveys

The Vermont Center for EcoStudies coordinates surveys for Bicknell Thrushes and other high elevation birds throughout the Northeast. There are three survey routes in Baxter State Park. Mike and Barb Zimmermann, of Porter Maine, do the routes on the Brothers and up Abol trail and Tom Bjorkman of Blue Hill does the route in the South Basin and up Dudley Trail. Tom also adopted the original High Elevation Bird route established in 1998, from Chimney Pond to about ¼ mile above the top of Saddle Slide.

Tom Bjorkman conducted the Saddle route count on July 1, 2012. It was a cool day, 53-56 degrees at 4 AM, calm with 20-90% cloud cover during the count. Despite the date being somewhat late in the breeding season, he detected many of our usual species, including winter wrens, white-throated sparrows, blackpoll warblers, Swainson's thrush, yellow-rumped warblers, dark eyed juncos and even a fox sparrow. However, no Bicknells thrushes were detected on this survey.

2012 Katahdin Arctic Butterfly Survey

On July 16, while on our bird surveys, two freshly emerged Katahdin Arctics were noted. However our 2012 scheduled Katahdin Arctic survey dates two weeks later, during the usual flight window, did not coincide with acceptable butterfly monitoring conditions so the survey was delayed until July 14. Wilderness Educator Acadia Tripp hiked the survey route in clear sunny weather with temperatures 80-90 degrees, winds ranging from 1-10 mph, clouds moving in from the SW in mid afternoon. She saw two individuals, in good condition, unfaded. Both individuals were near Thoreau Springs. We continue annual trailside surveys to monitor this species with concern for low numbers generally viewed most years. Baxter State Park Trail Crew members are also taught to recognize the species and alert the Info/Ed team if they see Katahdin Arctics in flight while working above treeline. This additional group of observers has added to the body of anecdotal observations but never with observations of numbers over 1 or 2 butterflies. The timing of sightings may also be in flux; butterflies have been seen flying as early as June 16 and late July sightings are extremely rare in recent seasons.

Maine Audubon Loon Count

On July 21, five volunteers and 13 staff participated in the 2012 Maine Audubon Loon count on 17 bodies of water in the Park. Wilderness Educator Acadia Tripp organized this effort and compiled the results. 46 adults, 6 newly hatched chicks and 2 nesting sites were spotted over the scheduled half hour. Many staff and volunteers searched by boat or kayak, while others hiked into remote ponds and used binoculars to scan the shorelines and waters for this beautiful bird with a haunting call. A table listing the volunteers and the ponds observed is included in the Appendix of this report.

Mountain Plant Watch

Alpine Stewards collected phenological data on five designated alpine plant species at five permanent stations on Katahdin on 11 different days. Due to weather conditions and patroller injuries which limited number of patrols above treeline, the total number of weekly visits to these sites was unfortunately somewhat reduced this season. This data is submitted to the New England data base developed and maintained by the Appalachian Mountain Club at Pinkham Notch, NH. For more information on Mountain Plant Watch, please check the following website: <http://outdoors.org/conservation/mountainwatch/mtplant.cfm> We experimented in 2012 with adding some AMC-trained volunteers to this effort. Required first aid, search and rescue, fire and other training takes several weeks of the Wilderness Educator schedule early in the season. The end result is that our seasonal trainees do not get on the mountain each year until about June 15-20, at the earliest. Early budding and even the flowering of alpine flowers in most seasons is missed, limiting our contributions to Mt Plant Watch database. Georgia Murray, coordinator of this effort, offered the services of some trained volunteers who were interested in getting up on Katahdin earlier than our internal schedule allows. Volunteer Kit Pfeiffer was scheduled for the effort, with plans to hike a full week earlier than we expected to get up on the mountain. However, as is so often the case, the weather was uncooperative. The next window of favorable field survey weather coincided with our scheduled training and pipit check. Kit came up and joined us, and acquainted herself with the location of the plant stations at the same time. Perhaps the weather and schedule will cooperate in 2013 and allow earlier collection of data, through the use of trained volunteers for this early season effort.

Miscellaneous Surveys and Patrol Programs

Aquatic Plant Surveys:

Anne Huntington joined volunteers working on the June BSP Flora survey out of Trout Brook Farm and stayed on to work on her specialty: documenting aquatic species on Park waters. She camped at Long Pond and investigated Lower Fowler, Long and Billfish Ponds. She was joined by Wilderness Educator Kelsey Johnson for one of the days. Anne's summaries and plant lists for these ponds are in the Appendix for this report.

Purple Loosestrife Surveys – We continued weekly monitoring of three locations where purple loosestrife has been detected, Matagamon Landing in the northern end of the Park, Caribou Pit just outside the southern boundary and at the dam on Nesowadnehunk Stream just outside the western boundary of the Park. Again this year, no purple loosestrife was detected at Matagamon Landing, demonstrating the effectiveness of educational efforts and the removal of plants found many years earlier at this site. One plant was found at Caribou Pit and several individual plants discovered again above the dam on the Nesowadnehunk Lake and also on the downstream side of the dam. All plants found were clipped, bagged and disposed of before the plants went to seed. Educational materials and information were provided to the owners of the Nesowadnehunk Wilderness Camps in an attempt to prevent the spread of this invasive species.



One new development in the Park's preparation for invasive plants is the licensing of Forest Technician, Deidre Brace, for pesticide and/ or herbicide use, when deemed appropriate.

Moose Patrols – Watching wildlife is one of the most popular activities in Baxter State Park and moose are the number one species visitors hope to see. It is exciting to see a moose in its



native habitat and an opportunity to demonstrate respectful behavior toward these wild animals. Most encounters with moose happen at Sandy Stream Pond and Stump Pond during late May/early June when the cows are beginning to emerge with newborn calves and in the fall during the rut or mating season. These are especially stressful times for moose which is the reason we focus our patrols at these two ponds, observing and providing education regarding human and moose interactions. Extra signage directing visitors to stay on trails and keep a safe distance are temporarily posted

along trails and viewpoints by the Wilderness Educators, and frequency of patrols, by both I/E staff and Park rangers, is increased at these times. During the 2012 season, Wilderness Educators made 27 patrols to record moose/human interactions and behavior. Their information provides a tool for making management decisions in the protection of the wildlife

within the Park. A summary of the observations made during moose patrols can be found in the Appendix of this report.

Mountain Patrol – Wilderness Educators undertake foot patrols on Katahdin and other high use



peaks throughout the season, living at Chimney Pond and climbing the mountain daily for five days on alternate weeks. Their primary duties when on Alpine Steward patrols are: collecting visitor use data, providing information, asking hikers to stay on trails and promoting Leave No Trace practices to encourage visitors to reduce their social and environmental impacts. In the Alpine Steward role, the emphasis is less on programming, which they provide at roadside campgrounds, and more on informal interpretation of the alpine zone and the rare, endangered and threatened plants and animals that depend on the

special habitats hikers pass through. Alpine Stewards answer questions and provide first response to injuries or incidents on the mountain. This season, we had 42 Alpine Steward patrol days, somewhat reduced than previous years due to minor injuries and weather preventing hiking above treeline. On days when conditions do not allow patrolling above treeline, we schedule patrollers to give information at lower elevations or at the Chimney Pond Ranger Station. Most days our patrollers assist the Chimney Pond rangers with informal talks to incoming hikers from a highly strategic location directly outside the Chimney Pond Ranger Station, first thing in the morning and especially during rainy or heat index days. Additional foot patrols are scheduled from Katahdin Stream, Abol and Roaring Brook trailheads on busy weekends. Topics covered in these trailhead contacts include physical preparedness, necessary gear, weather conditions, etc., while also answering any questions from hikers before they head up the trail. Work on “the other side of the mountain” from Roaring Brook/Chimney Pond also includes hiking to specific locations on Hunt Trail and Abol Trails, interacting with hikers while they are hiking and provide on-the-trail education and information. A summary of mountain patrol reports is listed in the Appendix of this report. Note: A change in



Wilderness Educator Acadia Tripp doing ‘the morning tak’ with hikers at Chimney Pond.

Park operations in the 2012 season eliminated the Class Day information traditionally posted in daily weather reports, in favor of posting trail status and alerts. Thus, we will no longer be recording the Class Day on the Mountain Patrol form.

Training Received/Conferences & Meetings Attended/Assorted Field Patrols

Conferences/Training Received

- 3/31 Josselyn Botanical Society Spring meeting and workshops
- 5/2 Invasive Plant Meeting & Training
- 6/12 Wilderness First Aid Refresher Course
- 6/25-28 Management Training Workshop (for supervisors)

Meetings

- 1/10 New England Plant Conservation Program-Maine Task Force annual meeting
- BSP Authority Meetings: 5/ 17, 10/BSP Advisory Meetings: 1/12, 1/19, 2/16, 4/11 Orono, 8/21 Thoreau Spring, 9/17 Viewshed Tour, 12/13 Orono
- 1/20 Leave No Trace in Maine Steering Committee, Augusta
- 3/9 Maine Woods Forever roundtable, Unity
- 4/12 Fisheries partner meeting, Enfield I F & W Hatchery
- 3/21 Leave No Trace in Maine Steering Committee Conference Call
- 4/19 Leave No Trace in Maine Steering Committee Conference Call
- 11/5 Leave No Trace in Maine Steering Committee, Augusta
- 11/14 MATC/NPS/ATC/BSP partners meeting, Bangor IF & W
- 11/16 BSP FLORA 2012 field season wrap up meeting

Partial List of Field Patrols

- 3/8 Foss Knowlton Pond ski with admin staff
- 3/14 Katahdin Lake with admin staff
- 5/19 Sentinel Mt training for Acadia Tripp, Kelsey Johnson
- 5/26 South Turner training interns
- 6/1 Trout Brook Mountain training for Acadia Tripp, Kelsey Johnson
- 6/8 Above iron bars on Hunt training for Acadia Tripp, Kelsey Johnson on birds/plants/visitor information
- 6/20 AT orientation with 54, KPC loon site buoy replacement with Ranger Diane Freelove @ Kidney Pond
- 7/11 Daicey Pond to Abol Bridge training AT Steward Jonathan Lemberg
- 7/25 Grassy Pond and KPC, BSP Flora
- 7/26 Botanizing around Kidney, BSP Flora
- 8/18 Field check first section of OJI trail relocation with Marcia Williamson
- 8/30 Katahdin Stream Falls with Rachel Batz, Juliana Hansen
- 9/3 Field check roughed out relocation to West Peak with Paul Sannicandro
- 10/3 Field check of finished OJI relocation to West Peak with Jensen Bissell
- 10/11-12 Wass Str trail- Russell overnight- Pogy-South Branch, with admin. staff
- 10/26 Daicey- Foss Knowlton with Marcia Williamson, Acadia Tripp



L to R: Acadia Tripp, Kelsey Johnson, Wilderness Educators, Marcia Williamson Interpretive Specialist."



Trails Supervisor Paul Sannicandro flagging final portion of trail relocation to West Peak, OJI Trail.

Miscellaneous

Loons Keep Us Guessing!

For many years loons nested on a tussock emerging out of the shallow water between land and the island in Wasstaquoik Lake. In recent years, water levels have risen, inundating tussocks in this shallow area and depriving loons of their private nesting site. It also appears that a long-lived resident loon couple is no longer on the lake; the lake and other locations are being "prospected" by new loon pairs. In recent years, there have been attempted nestings on the island, failed nests, and even predation of nests by weasels. By late May 2012, it seemed a loon pair had chosen to nest on the island. Following heavy rains, on June 30 Campground Ranger Brendan Curran reported that it appeared the loons had abandoned the nest. Some weeks later, Greg Hamer called in to let us know a pair of loons with young was discovered on the NW end of the lake! It's possible the new loon pair has found a site more to their liking on this less traveled portion of the lake. Time will tell!

The Outhouse Owl

In mid-August, a camper at the Distance Hiker site, The Birches, notified Katahdin Stream Ranger Betsy Dawkins that there was a bird staring up from the bottom of the vault outhouse at the site. Upon investigating, Betsy discovered a Saw-Whet Owl trapped in the vault. With assistance from BSP Ranger Bruce White and others, the owl was extracted and transported to Millinocket where Bruce and Jean Hoekwater worked on cleaning the owl after consulting with bird rehabilitation experts at Avian Haven shelter. When the worst of the soil was cleaned off the bird, Acadia Tripp and Jean transported the bird to Orono, where they met a volunteer from Avian Haven who safely transported the bird the rest of the way to the care of professionals at the shelter in



Acadia Tripp caring for rescued owl

Unity. Initially, the patient responded very well further cleaning and antibiotic treatment but eventually he died four days after arriving. A post mortem revealed esophageal and stomach lesions that prevented the bird from being able to absorb and process nutrition, likely caused

by exposure to the concentration of ammonia fumes in the vault. The Park is indebted to Avian Haven for their continued support and expertise offered on various occasions.

Spiders of Mount Katahdin Published

Dr. Daniel Jennings studied and collected spiders in Baxter State Park in the 1980's as part of an American/ Canadian team of scientists. The Park has had a preliminary report from Daniel Jennings in the files for many years. In 2012, Entomologist Charlene Donahue of the Maine Forest Service notified the Park to let us know that Dr. Jennings' final report would be published by the Maine Forest Service. *An Annotated Checklist of The Spiders of Mount Katahdin*. This report can be viewed at the following link:

http://www.maine.gov/doc/mfs/documents/CHECKLISTOFTHESPIDERSOFMOUNTKATAHDIN1052012_001.pdf

Charlene Donahue and Daniel Jennings also corresponded with the Park to establish permission for some of the specimens to be kept in Ontario Canada. The specimens remaining in the U.S. will be housed in the state collection at the Maine State Museum.

Naturalist Adventure Pack Drawing

In 2012, we experimented with a drawing for a free Naturalist Adventure Pack , asking families who signed up to use the pack if they would like to be entered into the drawing. We decided to limit the drawing to Maine families, in order to have a better photo opportunity with the winning family. We had over 30 Maine families enter, which was more than the total number of families using the packs in previous years, and a corresponding number of non-resident families using the packs as well. The drawing took place on Opening Day 2013, with Friends of Baxter president Barb Bentley drawing the entry of the True family of Clifton, Maine. It was a happy day for Nathan and Alex True when they opened the package and found their very own pack and supplies (see cover page of this section) !

SFMA 2011 Annual Report

Forest Management Planning

Forestry involves many things, but planning is perhaps the most important element as the intention expressed in plans and related documentation is what separates forest management from *“just logging.”*

Management Plans are revised on a periodic basis, generally every 10 years.

Management plans cannot be considered as static documents, rather they must remain fluid and dynamic to reflect the realities of forest, market, and societal conditions. Park

staff have worked over the last 2 years to update the SFMA Forest Management Plan (FMP) which serves as the principle guiding document of the entire SFMA forest management enterprise. With the implementation of this 2012 forest management plan the SFMA has begun working from the fourth version of a management planning document. Over the last several decades plans have been revised on a periodic basis, generally every 10 years. Importantly, management plans cannot be considered static documents, rather they must remain fluid and dynamic to reflect the realities of forest, market, and societal conditions. The 2012 planning process involved review and development of management policies and practices; as well as an analysis of current forest conditions and computer model simulations of future forest conditions under management scenarios.



Management Goals

Forest management planning requires a thorough assessment of the ideas and philosophy that form the foundation of a management program. These ideals must be translated into goals, objectives, and assessment criteria that describe the desired future conditions of the resource. In short the management goals must describe the way managers and stakeholders hope the resource will look in the future.

Goals: Broad generalizations about the future resource conditions that management is designed to culture.

Objectives: Detailed descriptions, pertaining to a specific goal, of what the resource will look like or the management approaches necessary to achieve that goal.

Assessment Criteria: Specific elements of a management program or future conditions that future observers can use to assess the degree to which management goals and objectives have been achieved. These may often be quantitative in nature and are essential to an adaptive management approach.

2012 Management Planning Goals:

- Protect water quality from negative impacts of human/natural disturbances.

- Protect soil productivity from negative impacts of human disturbances.
- Protect, maintain, and culture a diversity of species and habitats across the forest area.
- Conduct management planning and silvicultural treatments so as to ensure the sustainability of high quality forest products.
- Provide steady and predictable revenue source to support forest management and general Park management programs.
- Culture forest conditions that are resistant and resilient to significant natural disturbance events and long term climatic changes.
- Address threats posed by invasive species to the forest resource and natural systems.
- Demonstrate and communicate relevant and accessible examples of forest management practice to the general public and forestry professionals. Encourage research efforts that improve forest management practice.
- Provide opportunities for diverse recreation activities while protecting the long term integrity of the forest ecosystem.

Forest Modeling & Results

Attempts to project current forest conditions into the future under alternative management scenarios requires both art and science, as neither models nor data inputs are ever perfect. However, modeling exercises are essential to planning efforts designed to answer basic forestry questions about long term forest conditions and sustainability. During 2011-12 a substantial modeling effort was conducted. Temporary and CFI data were utilized to create a model portfolio. This portfolio was used to create long term projections of SFMA forest conditions under different management scenarios using Remsoft optimization software. These projections enable sustainability assessments over more than one rotation period. The results of this modeling work indicate that annual harvest levels of between 5,000-6,000 cords can be sustained for the next 50-70 years. After this period an increase in harvest is projected as additional volume from regenerated stands comes online. Overstory removal treatments will be common over the next 20 years as established regeneration in shelterwood treated stands is released. Multi-age treatments will continue to be part of the treatment program. Growing stock volumes in operational units are projected to increase over coming decades as regenerated stands grow quickly after release with 25 cords/ac becoming average. Under this management scenario about 30% of the total SFMA area will be in a non-operated management designation. Due to the percentage of multiage treatments fully 50% of the SFMA area will be managed for mature and late successional characteristics.

*Special thanks goes to Jeremy Wilson of the SMFA Advisory for his expertise and efforts to bring the latest modeling software to bare on the complex management questions facing the SFMA. This modeling work is on-going and additional analysis is planned for 2013. Adjustments to the results presented in this document will be made as needed. For more information on this topic or to learn more about the rest of the SFMA management plan please see the full FMP at... <http://www.baxterstateparkauthority.com/sfma/planning.htm>

The SFMA advisory committee was provided copies of the document in fall 2012 for review. The FMP was presented to the BSP Authority by the Resource Manager in October 2012. The BSPA approved the document at their fall meeting. While the document has received formal

approval by the BSPA the document is never truly complete, rather it is constantly being revised and improved as part of an adaptive management program.

2012 Silvicultural Operations

2012 was a busy year with respect to active silvicultural operations. The winter season began with a multi-age treatment around a productive vernal pool in a management unit off the Redback Road. Frozen ground made the operation possible despite the low snow levels in the early winter. This multi-age system (termed an irregular group shelterwood) represents a modified version of the familiar gap or group selection treatment that has been common practice in the SFMA since the early 1990s. An area control based approach to multi-age silviculture, the method involves the selection of areas where canopies will be removed to either release existing advance regeneration or enable the regeneration from seed of a new cohort. Canopy

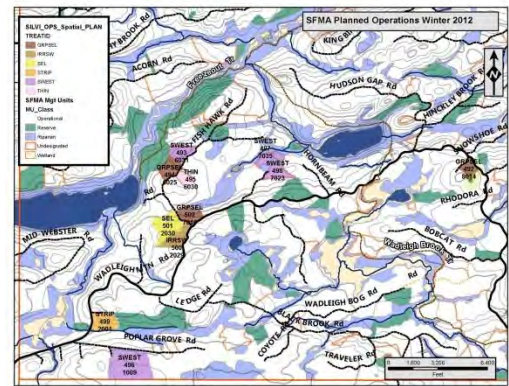


Figure 0.1 Winter 2012 operations map



Figure 0.2 Multi-age gap treatment around vernal pool.

openings range from 0.25ac to 1ac in size. In general, the goal is to regenerate tolerant to mid-tolerant species in the canopy gaps. Over the course of 2012 about a half dozen management units were treated with this type of system. Operationally, the gap locations are determined based on a combination of field surveys and GIS mapping. In the field gap boundaries are flagged and retention trees are marked within the gap. In keeping with the findings of the 2012 Forest Management Plan (FMP) update, about 1/3 of the total area treated in 2012 was under a version of this multi-age system.

Also in keeping with the FMP the majority of the area treated in the summer and fall of 2012 involved even-age systems. The shelterwood establishment treatments of the last 3 decades have generally succeeded in establishing robust regeneration, normally with strong softwood components. The need to release these sapling cohorts was reinforced by the FMP modeling work and so much of the harvesting in 2012 involved removing canopies using a variety of shelterwood systems. The use of these even-age methods will continue to be a significant portion of annual treatments.

The addition of a GPS enabled tablet computer, running ArcGIS Mobile software, in the cab of the processor has increased the spatial awareness of the operator. Clint Morrow, who has been running a processor in the SFMA for Pelletier Brothers for almost 10 years, has always had a knack for this type of technology and quickly took to this new system.

Harvest Volumes, Revenues, and Costs.

Harvest volumes and revenues were generally consistent with the recent past. Markets continue to rebound from the 2008-09 lows, but remain volatile, reflecting the global nature of the forest products industry. Spruce/fir sawlogs are the consistent bread winner of SFMA products representing over 80% of the total sawlog net revenues and over 70% of all net revenues. Figure 0.3 2012 Harvest Statistics. shows the total harvest revenues and costs for each product category and species combination. Importantly the table shows the revenues for products sold on the open market and estimates of equivalent revenues for products consumed internally by the Park. Revenues associated with SFMA products used within BSP are representative of what those products would have generated had they been sold on the open market. White pine and spruce clapboard and tone wood markets are lucrative on a percentage basis but represent only a small fraction of total product volumes and values. Hardwood sawlog values continue to be profitable but the generally low quality of SFMA hardwood logs results in only modest net revenues for those sawlog products.

2012 Harvest Statistics		Version 3/27/2013								
Product Name	Species Name	Net Wt (LBS)	Net Vol (BF)	Cords	Gross Revenue	Service Payment	Bridge Tolls	Road Tolls	BSP Internal Use	*Net Revenue
Clapboard Sawlog	Spruce/Fir	76,853	7,864	18.1	\$ 4,035.43	\$1,443.31	\$7.69	\$109.90	N	\$2,474.53
Clapboard Sawlog	White Pine	14,293	1,662	3.3	\$ 1,053.50	\$270.42	\$1.43	\$20.44	N	\$761.21
Sawlog	Spruce/Fir	10,198,777	1,142,625	2,399.7	\$ 377,231.08	\$203,826.42	\$1,019.88	\$13,821.33	N	\$158,563.44
Sawlog	White Pine	2,011,506	210,825	467.8	\$ 59,532.19	\$39,811.31	\$201.15	\$2,876.45	N	\$16,643.28
Sawlog	Hardwood	900,460	63,270	163.7	\$ 27,651.03	\$16,831.34	\$90.05	\$1,040.03	N	\$9,689.61
Veneer	Aspen	72,680	5,855	16.9	\$ 1,716.13	\$1,379.47	\$7.27	\$91.94	N	\$237.45
Sawlog	White Cedar	266,000	0	76.0	\$ 4,559.24	\$4,977.21	\$26.60	\$349.20	Y	(\$793.77)
Sawlog	Hemlock	81,000	0	16.9	\$ 1,139.27	\$1,497.69	\$8.10	\$102.47	Y	(\$468.99)
Total Sawlog Values		13,621,569		3,162.4	\$ 476,917.84	\$ 270,037.17	\$ 1,362.16	\$ 18,411.76		\$187,106.76
Pulp	Aspen	230,580	0	53.6	\$ 5,418.63	\$4,263.42	\$23.06	\$266.32	N	\$865.83
Pulp	Hardwood	5,929,230	0	1,078.0	\$ 139,300.15	\$111,328.41	\$545.03	\$6,440.00	N	\$20,986.71
Pulp	Hemlock	39,620	0	8.3	\$ 633.92	\$782.50	\$3.96	\$50.12	N	(\$202.66)
Pulp	Spruce/Fir	3,601,350	0	847.4	\$ 81,455.63	\$67,499.44	\$360.14	\$4,718.25	N	\$8,877.80
Pulp	White Pine	32,040	0	7.5	\$ 480.60	\$647.53	\$3.20	\$45.82	N	(\$215.95)
Biomass	White Pine	123,200	0	28.7	\$ 1,601.60	\$2,330.94	\$12.32	\$142.30	N	(\$883.96)
Total Pulp Values		9,956,020		2,023.4	\$ 228,890.53	\$ 186,852.25	\$ 947.71	\$ 11,662.80		\$29,427.77
Firewood	Hardwood	39,200	0	7.1	\$ 901.60	\$741.66	\$3.92	\$49.59	N	\$106.43
Firewood	Hardwood	168,000	0	30.5	\$ 4,020.80	\$3,178.56	\$16.80	\$227.30	Y	\$598.14
Firewood	Paper Birch	123,200	0	22.4	\$ 2,912.00	\$2,350.15	\$12.32	\$176.18	Y	\$373.35
Firewood	White Cedar	504,000	0	144.0	\$ 8,638.56	\$9,568.27	\$50.40	\$720.72	Y	(\$1,700.83)
Total Misc Product Values		834,400		204.1	\$ 16,472.96	\$ 15,838.64	\$ 83.44	\$ 1,173.79		(\$622.91)
Total All Product Values		24,411,989		5,389.9	\$ 722,281.33	\$ 472,728.05	\$ 2,393.31	\$ 31,248.34		\$215,911.62

Figure 0.3 2012 Harvest Statistics.

Monitoring

It was another busy field season in 2012. Reasonable summer weather helped field SFMA staff Dee Brace, Kevin Osborn, and summer interns Kellie Eldridge and Patrick Aldrich collected forest inventory data in a variety of management units. A new inventory protocol for temporary sampling was implemented in 2012. The revised system increases the return interval of management unit inventory from 10 years to 15 and adds fixed radius regeneration samples and limited down dead wood transects. These additions are important as current datasets lack robust estimates of regeneration in the sapling classes. This data is critical when modeling forest development over the length of an entire rotation as was done for the 2012

FMP. The dead wood transects will help give better estimates on the presence of this important habitat component and will also give insight into the occurrence of post-harvest blow down. This system will continue to be refined to improve data collection efficiency and data analysis. A revision to the data collection schedule and data structure of the CFI dataset was completed in 2012. All of the nearly 140 permanent sample points were assigned a year to be inventoried between 2012 and 2022 as part of a rotating inventory. This will prevent the bottleneck of an overwhelming number of samples to collect every 10 years. Data from the CFI network was incorporated into a single relational database designed to house all BSP forest inventory data. This will enable more streamlined input of field data and reduce data errors. The database structure also enables the production of simple and efficient field data forms that improve the ease of data collection.

Temperature loggers were installed as usual this season and were collected before freeze up in late October. The COA transects were routinely sampled every two weeks. The spatial data for each paired COA along the transects, that was collected in 2011, was incorporated into the BSP ecological monitoring database. In addition Dee Brace BSP forester methodically

reorganized all the COA data in the same database to enable more efficient data analysis and future entry.

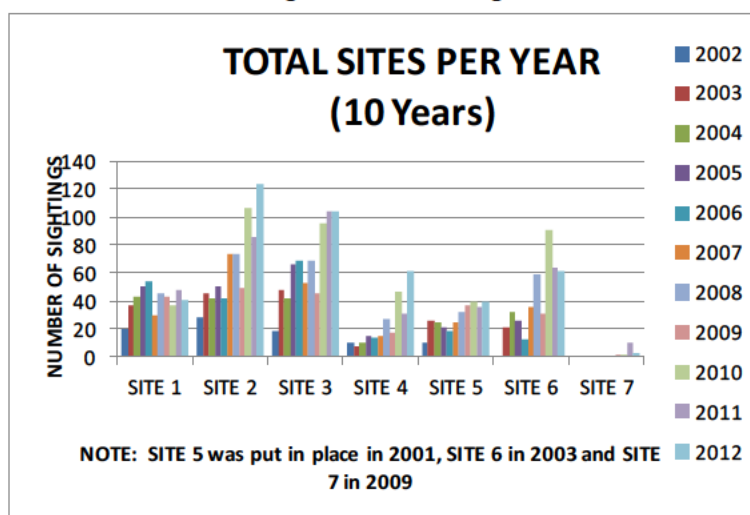


Figure 0.4 COA data summary 2002-2012

A new cooperative initiative between BSP and adjoining landowners, land managers, and contractors, was begun in the Spring of 2012 as way to combat the spread of invasive species especially vegetation. BSP staff organized a spring meeting that brought all the stakeholders together to learn about invasive vegetation ID and ecology. The group

discussed ways to collaborate on monitoring and control of invasives in the area surrounding BSP and the North Maine Woods in general. The first season has proven to be successful as isolated populations of phragmites australis (common reed) were treated in the SFMA as well as lands managed by Katahdin Forest Management to the south and west of BSP.

Maintenance Operations

A regular season of maintenance was conducted on SFMA roads and infrastructure, mostly focused on the North end of the SFMA. This included grading of the Brayley Ridge road as well as side roads including Martin Brook, and Brayley Brook, and Old Camp. Ditching and culvert replacements were completed along specific segments of these roads. A significant bridge across Brayley Brook, on the road of the same name, was replaced to improve long term maintenance as well as enhance fish passage. The concrete block bridge abutments were placed well outside the existing stream channel. The bridge itself was a first for the SFMA and the Park as it is a 30 foot long made of two independent steel structures under the treadway, with steel plates joining the two parts in the middle. The bridge is designed to be “mobile”, so it can be used on one location for a period and then quickly and cheaply moved to another location with similar concrete block abutments. Such bridges are becoming more common in forestry work as management operations may need a bridge in one location for several years follow by a period of inactivity. Using this new model, one bridge can service multiple crossing locations. While the mobile structure is more expensive than a conventional fixed bridge the versatility and mobility will serve to reduce costs in the long run. Pelletier Brothers Manufacturing built the bridge in their shop in Millinocket. Gerald Pelletier Inc road maintenance crews then installed the new crossing in a single day using two excavators.



Figure 0.5 Pelletier's crew members put the finishing touches on the new Brayley Brook bridge.

Demonstration, Education, and Research

Numerous field tours were conducted in 2012, with most clustered in the early fall season. These tours involved diverse audiences including student groups, college courses, and forestry professionals.

In addition to field tours SFMA staff updated the SFMA website and greatly expanding the education elements it contains. Readers of this report are invited to review the site and make suggestions.

SFMA staff actively courted researchers from UMaine to conduct avian surveys and habitat analysis in mature softwood stands in the SFMA. Researchers from the UMaine Wildlife Coop and USGS toured the SFMA in fall 2012 on a field site scouting trip. A formal research proposal for the 2013 field season is pending approval. More on this project in 2013.

2012 Field Tours Included:

- NESAF Student SAF Conclave, September 2012.
- AMC, TNC, & BSP Forest Management Field Tour, September 2012
- UMaine Graduate Level Forest Ecology & Silviculture Course, September 2012.

- SFMA Advisory Committee Fall Field Tour, September 2012.
- UMaine Fort Kent Silviculture Course, October 2012.
- BSP Fall Trail Crew Tour, October 2012.



Figure 0.6 SAF Student Conclave 2012.

SFMA Advisory

It was a sad year for the SFMA advisory with the passing of long time advisory member Roy Farnsworth. Roy's dedication to the Park and the SFMA is remembered by all.

The committee met twice during the year, with an indoor session in April and field tour in September. Many issues and topics were considered by the group, including the 2012 FMP document. The committee provided input on the draft document. The fall field tour involved engaging discussions of multiage silviculture among other topics.

Certification

The SFMA was first FSC-certified in 2001 and then again in 2006. FSC certification lasts 5 years, after which the SFMA must undergo the full certification procedure again. In summer 2011 an **FSC certification** audit through Scientific Certification Systems (SCS) was conducted. This was a rigorous multi-day audit and resulted in the identification of several important "corrective action requests" or CARs, basically areas requiring improvement on the part of staff and the overall management program. Most important of these was a 10 year update to the SFMA FMP. This planning process was already underway and the document and planning was completed on schedule in 2012. The 2012 audit resulted in several observations regarding improvements to the management program but no CARs. Annual audits by SCS will be conducted until 2017 when a new 5 year re-certification will be conducted.

APPENDICES

Operational Highlights and Overview - 95

Information/Education - 102

BSP Use Stats - 139

BSP Advisory Committee Rosters - 154

BSP Mission Statement - 159

I. OPERATIONAL HIGHLIGHTS AND OVERVIEW - 95

SAR Rescue and Injury Log - 96

LE Courtesy Warnings -98

USAC Court Cases - 99

Volunteers - 100

Baxter State Park Search, Rescue & Injury Log for 2012

<u>DATE</u>	<u>NAME</u>	<u>LOCATION</u>	<u>PROBLEM</u>
1-7	Kranz	Katahdin	Overdue party
1-15	Maine Bound	Tote Road	Sick camper
2-11	Verplanck Group	Katahdin	Disoriented in whiteout
3-5	Woodworth	Chimney Pond	Fall on Cathedral Trail
3-12	Cooke	Chimney Pond	Came down with G.I. flu
5-27	Dsouza	Chimney Pond	Slid on snow, could not go up/down
6-14	Goliger	Abol Trail	Chest pains
6-14	Payeur	Hunt Trail	Left foot, heard a cracking sound
6-17	Williams	Daicey Pond	Leg wound, blisters
6-18	Case	Knife Edge	Panic attack
6-19	McEwen	Chimney Pond	Illness
6-22	Loder	Kidney Pond	Unresponsive - low blood sugar
6-25	Rubackin	Hunt Trail	Hiker left on mountain
6-25&26	Coffin	Hunt Trail	Hikers still on mountain
6-30	Knight	Chimney Pond	Pain across rt. groin area
7-2	Griset (Camp Runoid)	Hunt Trail	Ankle injury
7-2	Sheldrake	Chimney Pond	Laceration/thumb
7-3	McGhee	Chimney Pond	Pulled groin
7-3	Barnett	Park Road System	Lost person
7-4	Lanon	Hunt Trail	Fall - hit head
7-5	Remy	KS Campground	Foot injury
7-7	Crawford	SBP	Child meds
7-7	Dunn	Abol	Cut/abrasions from fall
7-8	Killingsworth	Chimney Pond	Exhaustion - 7 yr. old son
7-13	Audette	Knife Edge	Twisted rt. ankle
7-13	Llerena	Chimney Pond	Fatigue
7-21	Morrison	Saddle Trail	Fall
7-21	Avans	Chimney Pond	Reaction to bug spray, swelling
7-22	Krikorlar	Chimney Pond	Migraine
7-23	Dyer	Bear Brook Group Site	Laceration

Baxter State Park Search, Rescue & Injury Log for 2012, continued

<u>DATE</u>	<u>NAME</u>	<u>LOCATION</u>	<u>PROBLEM</u>
7-28	Hayes/Bennett	Chimney Pond/Basin	Party descending could not continue
7-30	Dintino	Knife Edge	Sprained ankle
8-1	McCluskey	Chimney Pond Trail	Exhausted hiker
8-2	Niemann	Chimney Pond	Slow hikers - fatigue - late night
8-2	Lam	Chimney Pond	Finger with 3/4" flap avulsion
8-5	Watro	SFMA	Lost hiker
8-6	Roy	Chimney Pond	Twisted left knee
8-12	Sell	Chimney Pond	Fell backward on trail
8-14	DeFebbo	Abol Trail	Exhaustion/over exertion
8-19	Guay	Saddle Trail	No flashlights-sore feet-cold
8-25	Kim	Hunt Trail	Hiker too tired to proceed down
8-29	Young	Daicey Pond	Fall on rocks, damage to face
8-30	Whalen	Hunt Trail	Hiker reported still not down at 4 a.m.
8-31	Goad	Chimney Pond	Hurt in fall on Saddle Trail
9-3	Bialos	Armadillo	Overdue - spent night in basin
9-6	Foran	Saddle Hill	Fatigue
9-6	Kloeckner	Saddle Slide	Injury to knee
9-8	Haddad	Chimney Pd/Hunt Trail	Missing hiker
9-8	Bragdon	Wass. Lake Trail	Dislocated shoulder
9-14	Colagne	Chimney Pond	Lower arm injury
9-22	Tarpey	Base Saddle Slide	Ankle injury after fall
9-30	Repko	Chimney Pond	Pain in left hip - mild hypothermia
10-4	Pierson	Hunt Trail	Missing hiker
10-6	Vermette	Chimney Pond	Pain in both knees

BSP LAW ENFORCEMENT COURTESY WARNINGS 2012

<u>DATE</u>	<u>CASE #</u>	<u>LOCATION</u>	<u>NAME</u>	<u>VIOLATION</u>
2/10	2012-57-02	TBF Campground	Brad B. Libby	Riding snowsled off perimeter road
5/26	2012-53-01	T2R9 Piscataquis	Arul M. Gopal	Imprudent Speed
6/10	2012-56-03	Visitor Center	Mark P. Dibble	Speeding in 10mph zone
6/10	2012-56-04	Visitor Center	Amanda Lee Alward	Speeding in 10mph zone
6/15	2012-59-02	Russell Pond	Jeff M. Graves	Title 22 Civil Possession of Marijuana §2383
6/15	2012-59-02	Russell Pond	Norman R. Roy	Civil Possession of Marijuana
6/15	2012-59-02	Russell Pond	Matthew J. Sylvanus	Civil Possession of Marijuana
6/17	2012-59-05	Togue Beach / Tote Rd.	Dennis A. Levallee	Exceeding posted speed limit (19 in 10 mph)
6/17	2012-59-04	Togue Beach / Tote Rd.	Robin L. Mendenhall	Exceeding posted speed limit (19 in 10 mph)
6/17	2012-59-03	Togue Beach / Tote Rd.	Philip A. Tate	Exceeding posted speed limit (19 in 10 mph)
6/17	2012-56-05	NB Camps / Lynx Rd.	Shane M. McDougall	Imprudent speed, >20 mph, ran off road
6/29	2012-57-04	Katahdin Lake South LT	David Adams	Violation of Rule 4.5 Litter left in firepit (partially burn)
7/1	2012-56-06	T2R9-Tote Road	Barry Frederick	Speeding in excess of 20 mph
7/1	2012-58-12	Park Tote Road	Michael Jobin	Speeding 31 mph in 20 mph
7/2	2012-58-13	Park Tote Road	Jeffrey Ladd	Expired inspection sticker
7/18	2012-56-07	Togue Beach / Tote Rd.	Jon A Schiavo	Speeding in excess of 10 mph
7/18	2012-58-14	Katahdin Stream CG	Camp Newfound	More than 12 people in a group BSP Rule 1.2
7/21	2012-56-08	Bear Brook Group Area	Dallas R. Marquis	Speeding
7/28	2012-57-05	Per. Rd. / Dry Brook	Mitchell A. Berkowitz	Violation of posted speed limit
7/30	2012-58-15	Katahdin Str. CG LT #4	Mallett	BSP Rule 1.2: Tents not permitted outside of leanto
8/19	2012-57-07	Per.Rd.-N of Nes. Fld.	Nathan H. Quirion	Violation of posted speed limit
8/19	2012-57-08	Per.Rd.-N of Nes. Fld.	Valerie J. Burgess	Violation of posted speed limit
8/25	2012-56-09	Foster Field #3	BSA Troop 9/John Troy	Resource Protection: food left out in active bear area.
9/9	2012-57-09	Black Brook Tote Rd.	Sherri Corneglio	Violation of posted speed limit
9/21	2012-59-07	Katahdin Stream CG	Elise Fox Noelani	Over capacity / illegal camping Rules & Regs. 1.2
9/21	2012-59-08	Katahdin Stream CG	Shawn Michael Hansen	Camping without reservation BSP Reg. 1.2
9/21	2012-59-09	Katahdin Stream CG	Ryan Shawn Horan	Camping without reservation BSP Reg. 1.2
9/21	2012-59-10	Katahdin Stream CG	Jacques St. Onge	Camping without reservation BSP Reg. 1.2
9/21	2012-59-11	Katahdin Stream CG	Emily Ann Schendel	Camping without reservation BSP Reg. 1.2
9/21	2012-59-12	Katahdin Stream CG	Jonathan C. Alley	Camping without reservation BSP Reg. 1.2
11/24	2012-56-10	SFMA / Moosebone Rd.	Ken Rodgerson	Please leave blue pass on vehicle dash

2012 BSP USAC COURT CASES

<u>DATE</u>	<u>CASE#</u>	<u>NAME</u>	<u>VIOLATION</u>	<u>DESCRIPTION</u>	<u>FINE</u>	<u>DISPOSITION</u>	<u>TYPE</u>
1/7/2012	2012-57-01	Nichols Cote	Title 12 §12601	Violate a fishing rule	\$100	Guilty	Civil
3/8/2012	2012-56-02	Tony Turcotte	BSP Rule #4.1	Pet in Baxter State Park	\$200	Guilty	Civil
3/8/2012	2012-56-03	Murray Cassidy	BSP Rule #4.1	Pet in Baxter State Park	\$200	Guilty	Civil
3/8/2012	2012-56-04	Joshua R. Johnstone	BSP Rule #5.8	Snowmobile in restricted area	\$200	Guilty	Civil
5/5/2012	2012-58-01	Athanasious C. Demetrios	BSP Rule #2.2	Hiking in restricted area	\$200	Guilty	Civil
5/5/2012	2012-58-02	Jacqueline Marie Donald	BSP Rule #2.2	Hiking in restricted area	\$200	Guilty	Civil
5/5/2012	2012-58-03	Theodoros Athanasious	BSP Rule #2.2	Hiking in restricted area	\$200	Guilty	Civil
5/5/2012	2012-58-04	Christine C. Mullin	BSP Rule #2.2	Hiking in restricted area	\$200	Guilty	Civil
5/5/2012	2012-58-05	Brian H. Praines	BSP Rule #2.2	Hiking in restricted area	\$200	Guilty	Civil
5/5/2012	2012-58-06	Melanie Frogeorgia	BSP Rule #2.2	Hiking in restricted area	\$200	Guilty	Civil
5/5/2012	2012-58-07	Steven Andrew Praino	BSP Rule #2.2	Hiking in restricted area	\$200	Guilty	Civil
5/5/2012	2012-58-08	Cristian Eduardo Gomez	BSP Rule #2.2	Hiking in restricted area	\$200	Guilty	Civil
5/19/2013	2012-59-01	Sean L. Obuchowski	BSP Rule #2.2	Hiking in restricted area	\$200	Guilty	Civil
5/19/2013	2012-59-01	Alley O. Bonemery	BSP Rule #2.2	Hiking in restricted area	\$200	Guilty	Civil
5/19/2013	2012-59-01	Adam S. Gray	BSP Rule #2.2	Hiking in restricted area	\$200	Guilty	Civil
5/19/2013	2012-59-01	Revor T. Howell	BSP Rule #2.2	Hiking in restricted area	\$200	Guilty	Civil
5/19/2013	2012-59-01	Derrick W. Merrill	BSP Rule #2.2	Hiking in restricted area	\$200	Guilty	Civil
6/3/2013	2012-58-09	Kevin M. Rayburn	BSP Rule #2.2	Hiking in restricted area	\$200	Guilty	Civil
6/3/2013	2012-58-10	Matthew W. Lambdin	BSP Rule #2.2	Hiking in restricted area	\$200	Guilty	Civil
6/9/2013	2012-57-03	Scott V. Willett	BSP Rule #1.2	Camping violation	\$200	Guilty	Civil
8/17/2013	2012-57-06	Alex E. Navarro	BBP Rule # 4.5	Littering in Baxter State Park	\$200	Guilty	Civil
8/20/2012	2012-58-16	Michael Guay	BSP Rule #2.2	Failure to carry working flashlight	\$200	Guilty	Civil
8/20/2012	2012-58-17	Ashley Guay	BSP Rule #2.2	Failure to carry working flashlight	\$200	Guilty	Civil
8/20/2012	2012-58-18	Michael Velez	BSP Rule #2.2	Failure to carry working flashlight	\$200	Guilty	Civil

2012 BSP VSAC TRAFFIC INFRACTIONS

<u>DATE</u>	<u>CASE#</u>	<u>NAME</u>	<u>VIOLATION</u>	<u>DESCRIPTION</u>	<u>FINE</u>	<u>DISPOSITION</u>	<u>TYPE</u>
7/7/2012	2012-58-13.5	Gabriel Tremblay	Speeding	28mph speed in posted 20mph zone	\$119	Guilty	Civil

2012 VOLUNTEERS

THANK YOU! THANK YOU!! THANK YOU!! THANK YOU!! THANK YOU!!

Baxter State Park could not do it all without all of your efforts through volunteering!

Catherine Mirick
Stephen Ellis
James Bailey
Joshua Slaney
James Barden
Howard Whitcomb
Carla Ritchie
Dean Levasseur
Rick Bray
Barry MacArthur
Jonathan Schmidt
Leo Gosier
Jonathon Hinson
Charles Jacobi
Nelson Daigle
Bernard Geishauser
Barbara Bentley
Ken Beach
Nancy Jane Clark
Joseph Saetta
Rose Rodrigue
Jeffery Stanton
Glenn Thomas
John William St. Germain II
Judith Bishop
Charity LEvasseur
Yolanda Bulley
Elaine Richard
Joseph Brasslett
Earle Edwards
Jensen Bissell
Glen Mittelhauser
Glen Mittelhauser
Anne Juntington
Brian Guggen
Kaeleigh Morton
Isla Brazier
Colin Fagin
Cody Prandelli
Karl Witmer
Tripp Walker

Dan Flammini
Franz Schmidt
John Bullard
Matt Martin
Ruth White
Bob McLaughlin
Sally Mathews
Robert Howes
Kevin Osborne
Douglas Rich
Sheilah Bissell
Dorothy Tepper
Keith Smith
Bill Lee
Milton Wright
Marcia Williamson
Bill Bentley
Loren Goode
Ray Thomas
Robert Cressey
Pierre Roughny
Suzanne Lussier
Dylan Thomas
Priscilla Seimer
Robert Bishop
Erica Walsh
Conrad Bulley
Kayla Michaud
Amy Brasslett
James Hodgdon, Jr.
Chris Bailey
Patrick Lee
Henry Cunningham
Jon Huntington
Leah Clair
Karly Robinson
Dakota Concon
Trevor Fowles
Nate Karol
Don Schwartz
Nelda Clelland

John Bertangi
Betty Bibber
John Skelley
Bonnie Barden
Rupert White
Buzz Caverly
Gabe Williamson
David Asherman
Jeremy MacArthur
Laurie Rich
Janelle Martin
April McCann
Michael Zlogar
Charlie Kenney
Gunter Bernardini
John Bialecki
David Paris
Mike Stillman
Roy Chaston
David Wilcox
Paul Delaney
Melanie Taylor Coombs
Sue Thomas
Bernadette Healy
Michelle Austin
Christine Theriault
Katrina Brittain
Gwendolyn Nale
Loren Brasslett
James Hodgdon, III
Central School Islesboro
John Colarusso
Caitlan
Dakota Smith
Steve Clarrage
Belle Fall
Erik Bailey
Ethan McDonough
Tecla Ris
Jordan Walker
Christopher Flint

Brant Miller
James B. Hamlin
Dorian Brittain
Aliria Bulakh
NJinbae Bang
Kathleen McCarthy
Victor Vere
Peter Hulick
Patrick Lee
Damoelle Landry
Annie Fitzpatrick
Joanna Veshey
Abby Roy
Steph Little
Xuaihue Chen
Sarae Sager
Samantha Paradis
Emily Whitaker
Wasin Virattanofoulp
Marissa Rublee
Wendy Gibbs
Julie Ennamorati
Katana Lessare
Alec Young
Brenda Bernardini
Philip Ahrens
Gordon Mott
Carl VanHusen
Jeremy Wilson
Emily Meacham
Leonard Jahnke
Kathy Winslow
Alan Leathers
Ryan Jones
Derek Markgren
Richard Barrett
Cathy Lusk

Joe Kurlanski
Linda Lee
Julia Ametller
Isabella Haidl
Jinsoo Gang
William French
Marianne Vere
Steffen Doyle
Jocelyn Bradbury
Cathy Fitzpatrick
Jared Cash
Julia Spiels
Jeff Vogive
Igor Rodosavljeuc
Ashley Johnson
Meg Baxter
Gwendolyn Beacham
Samara Ethien-Whitmore
Vanessa Cousins
Nathan Kinney
Samantha Jones
Terri Bustanache
Amber Ravell
Cody Humphry
Rich Stabins
Barrie Brusila
Robert Seymour
Aaron Weiskittel
John Bryant
Jim O'Malley
Ronald Gelians
Don Nodine
Dennis Brod
Marie Emery
Megan Markgren
Nancy Meader
Dawn Morgan

Jeremy Isard
Shawn Kinhead
Cedric Berthod
Jer-yu Jeng
Reodo Amaury
Matthew Ryle
Jonah Paris
Marilee Lovit
Betsey McGettigan
Meghan Fitzpatrick
Sophie Holbrook
Tyler Jones
Rosemary Williams
Cody Poland
Mariah Kimball
Jesse Webster
Tess Wroblewski
Minna Mathiasson
Taylor McCafferty
Amber Oakes
Lisa Plimpton
Mengting Guo
Lougoin Desmond
Kimberly Dro
Gerry Locke
Rob Bryan
Craig Troeger
Joe Wiley
Andy Cutko
Gerald Forest Pound
Nancy Nelson
Bob Brodeur
Tracy St. Onge May
Evan James Kearney
MaryBeth Varney
Thomas Powers

INFORMATION AND EDUCATION APPENDICES – 102

Loon Count Volunteer List - 103

Loon Count - 104

Moose Patrols - 104

Mountain Patrol Data - 106

Anne Huntington Aquatic Plant Survey

- I. Long Pond - 110
- II. Billfish Pond - 111
- III. Lower Fowler Pond - 112

Julia Daly Water Temperature Loggers - 113

Long Distance Hiker Stats - 118

Sarah Nelson Water Research - 120

Baxter State Park
2012 Loon Count Volunteer List

Name	Staff/Volunteer	Lake
Jean Hoekwater	Naturalist	Lower Togue Pond
Marcia Williamson	Interpretive Specialist	Upper Togue Pond
Mike Martin	Ranger	Matagamon Lake
Betsy Dawkins	Ranger—Katahdin Stream	Grassy Pond
Diane Freelove	Ranger—Kidney Pond	Kidney Pond
Dean Lavoisier	Ranger—Kidney Pond	Lily Pad Pond
Charity Lavoisier	Ranger—Daicey Pond	Little Rocky Pond
Andy Vietz	Ranger—Daicey Pond	Daicey Pond
Gregory Hamer	Ranger—Russell Pond	Wassataquoik Lake
Gerald Locke	Ranger—Trout Brook Farm	Lower Fowler Pond
Gabe Williamson	Ranger—So. Branch Pond	Lower So. Branch Pond
Acadia Tripp	Wilderness Educator Intern	Upper So. Branch Pond
Jeffrey Link	Trail Crew Intern	Jackson Pond
Doug Rich	Volunteer	Rocky Pond
Laurie Rich	Volunteer	Abol Pond
Rick & Rachel St. Croix	Volunteers	Lost Pond
Holly Hamilton	Volunteer	Katahdin Lake

Baxter State Park
2012 Loon Count

Pond	Town	Adults	Chicks	Nest	Pond Acres
Abol Pond	T2R9	2	0	0	70
Daicey Pond	T3R10	2	0	0	38
Grassy Pond	T3R10	0	0	0	15
Jackson Pond	T3R10	0	0	0	23
Katahdin Lake	T3R8	2	0	0	717
Kidney Pond	T3R10	1	0	1	96
Lily Pad Pond	T3R9	0	0	0	20
Little Rocky Pond	T3R10	1	0	0	16
Lost Pond	T3R10	1	0	0	30
Lower Fowler Pond	Trout Brk Twp	0	0	0	64
Lower So. Branch Pond	T5R9	1	0	0	93
Lower Togue Pond	T2R9	1	0	0	384
Matagamon Lake	Trout Brk Twp	31	3	0	4165
Rocky Pond	T3R10	0	2	0	29
Upper So. Branch Pond	T5R9	0	0	0	84
Upper Togue Pond	T2R9	2	0	0	294
Wassataquoik Lake	T4R10	2	1	1	178
Total:		46	6	2	6316

Moose Patrol			Month	June	2012									
Day	Date	Weather	Location	Time	#People	#moose	P on trail?	If No, Where?	Closest Dist?	All behaved?	Total # met	trash	hw	info
Sat	18	Light rain	SSP #1	8:54	1	0	Y			Y	1			
			Stump	10:52	0	1					0			
			Stump ADA	10:55	0	0								
Wed	29	Overcast	SSP #1	9:10	0	0					1			1
			SSP BR	9:40	0	1								
			SSP #3	10:00	0	1								
			Stump	11:52	4	1	Y		400 ft	Y	4			2
Total #					5	4	Y		400 ft	Y	6			3

Moose Patrol			Month: July		2012																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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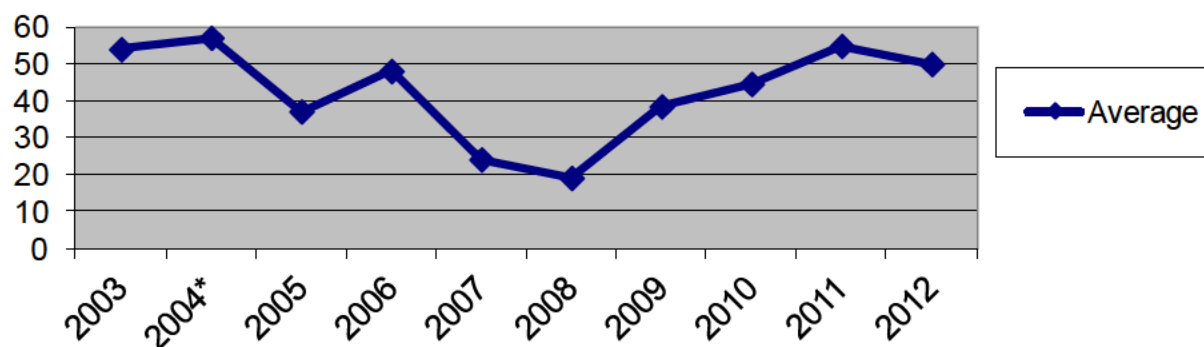
Moose Patrol			Month: August	Year	2012															
Day	Date	Weather	Location	Time	# P vis	# M vis	P on trail?	If no, where?	Closest Dist?	All Well behaved?	Total # met	trash	hw	info	Comments on Bad Behavior and off-trail People:					
Wed	3	Drizzly ptly sunny	SSP #1	2:00	10	1	Y		300 ft	Y	10	3		1						
			SSP BR	2:35	0	1														
			SSP #3	2:40	0	0														
			Stump ADA	12:19	2	2	N	non-ADA	100 ft	Y										
			Stump	12:21	6	2	Y		20 ft	Y	8			2						
Thurs	4	Light rain	SSP #1	9:15	0	0														
			SSP BR	9:40	0	0														
			SSP #3	9:45	1	0	Y			Y	1	1		1						
			Stump	11:00	0	0									path leading out of parking area lots of Toilet paper on trail plus bones/trash					
			Stump ADA	11:15	0	0														
Wed	17	Sunny	SSP #1	7:00	0	0								2						
			SSP BR	7:20	0	0						5 hiking in	1							
Sat	27	Ptly sunny	SSP #1	7:36	0	0														
			SSP BR	7:52	0	0														
			SSP #3	7:57	0	0						1	1							
			Stump	8:45	0	0														
			Stump ADA	8:47	0	0														
Total #						19	6	Y&N	non ADA vehicle	20-300 ft	Y	24	6	1	6					

2012 Mountain Patrol Data

of People met on trails

	2003	2004*	2005	2006	2007	2008	2009	2010	2011	2012	Total/avg
Minimum	6	0	6	3	0	2	7	3	0	4	3
Maximum	250	227	137	150	120	110	175	160	210	165	170
Average	54	57	37	48	24	19	38	45	55	50	43

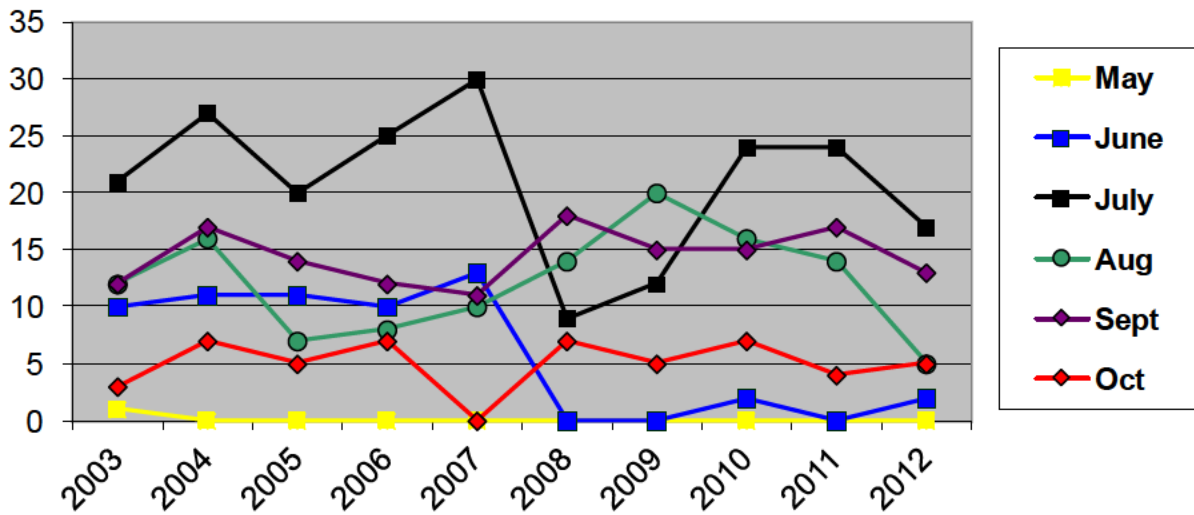
Avg. # of People Met on Mtn Patrol Hike



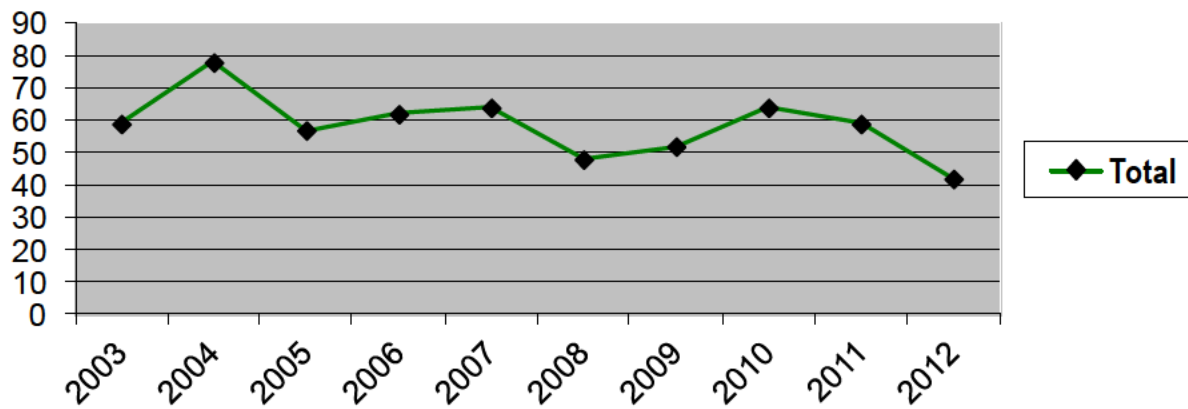
Patrol Days by Month

Month	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
May	1	0	0	0	0	0	0	0	0	0
June	10	11	11	10	13	0	0	2	0	2
July	21	27	20	25	30	9	12	24	24	17
Aug	12	16	7	8	10	14	20	16	14	5
Sept	12	17	14	12	11	18	15	15	17	13
Oct	3	7	5	7	0	7	5	7	4	5
Total	59	78	57	62	64	48	52	64	59	42

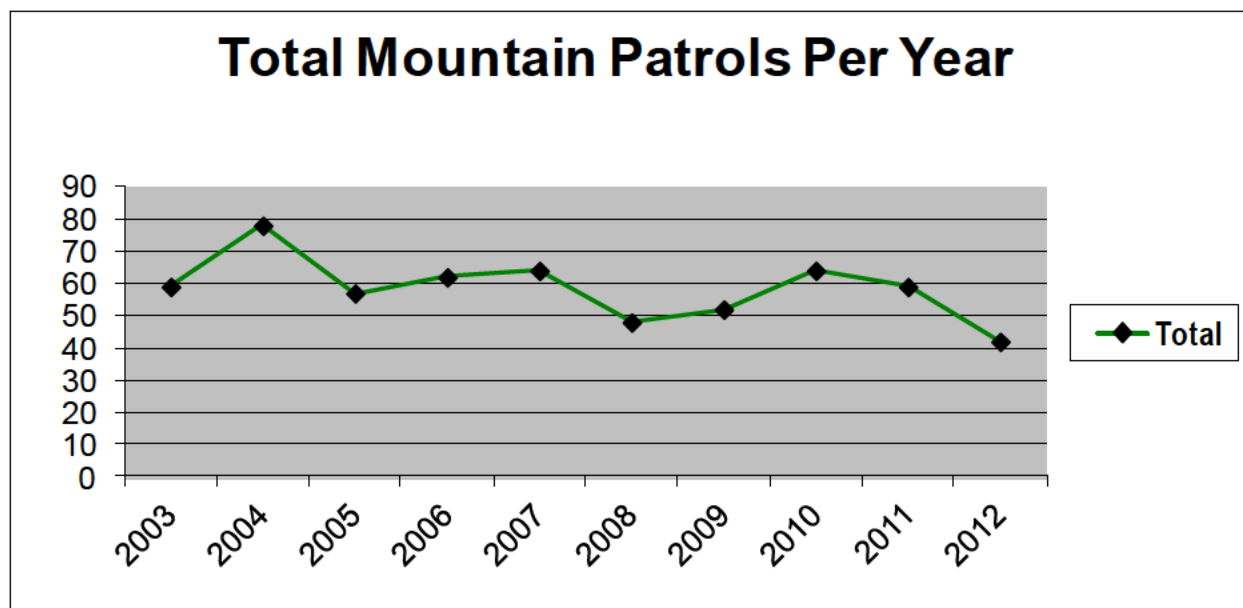
Mountain Patrols By Month



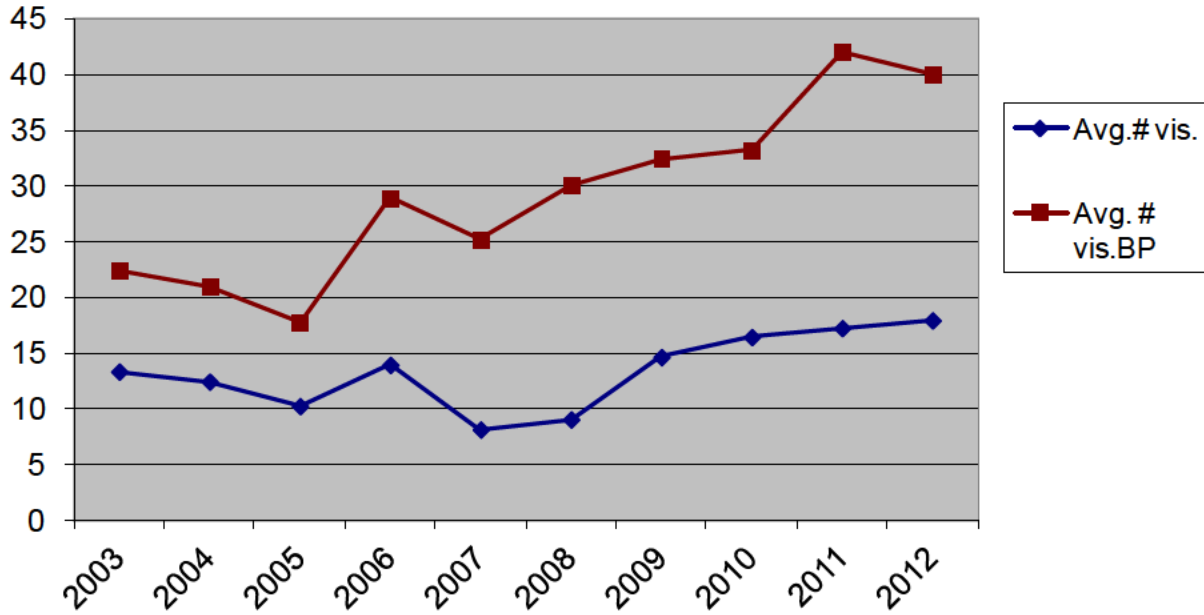
Total Mountain Patrols Per Year



# of people visible at stop points											
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Total/Avg
Points counted	225	352	245	408	276	208	159	225	199	110	2407
Avg.# vis.	13	12	10	14	8	9	15	16	17	18	13
Min at any pt.	0	0	0	0	0	0	0	0	0	0	0
Max at any pt.	94	116	90	121	83	110	70	105	150	125	106
BP counts	89	129	92	114	46	24	28	38	37	19	616
Avg. # vis.BP	22	21	18	29	25	30	32	33	42	40	26
Min # BP	0	0	0	0	6	0	3	4	0	6	1
Max # BP.	94	116	90	121	83	110	70	110	150	80	102



Average visible # of people



Long Pond June 29, 2012

Kelsey and I arrived at Long Pond a little after noon and decided to survey the Pond during the afternoon as there was a party at the Pines. One canoe was missing and the other was set up ready to go at the launch area. It is good we did this because both canoes were missing early in the morning.

Conditions were good with calm wind and mostly sun. The bottom was again quite rocky.

Plant growth was concentrated at the inlet and along the North shore especially in the small cove just east of the Pines campsite. The south shore was very sparse with occasional Burr-reed, Spatterdock, Ribbon leaf Pond weed and Lobelia.

We saw 2 adult Loons and at least 2, perhaps 3, chicks.

Observed Plants include:

Burr Reed Narrow Leaf (Sparganium angustiflorum) or
Eastern (S. americanum)
Water Lobelia (Lobelia dortmanna)
Spatterdock (Nuphar variegata)
Ribbon Leaf Pondweed (Potamogeton epihydrus)
Fern Pondweed (P. robbinsii)
Potamogeton illinoensis (?) growing right on the shoreline in <2 ft.
of water in several dense patches between canoe launch and the
Pines. Had floating leaves but no flowers yet,
Northern Manna Grass (Glyceria borealis)
Water Horsetail (Equisetum fluviatile)
Alternate flowered milfoil (Myrophyllum alterniflorum)
Pipewort (Eriocaulon aquaticum)
Floating Bladderwort (?) Utricularia radiata)
Northern Bladderwort (U. intermedia)
Common Bladderwort (U. macrorhiza)
Rose Pogonia (Pogonia ephiglossoides)
Common Arrowhead ? (Sagittaria latifolia) Plants had only small
floating leaves on long stalks. Perhaps young? There were quite a few of them.

Billfish Pond June 30, 2012

Left Long Pond and arrived at Billfish at about 8 AM. Weather sunny with a breeze. Water is as clear as any I've seen and generally drops off to 15 +/- feet within a few feet of shore. Some plants can be seen but not reached. We did a quick survey with rapidly rising wind especially at the eastern shore and southern outlet. There are three bermed bogs that we didn't attempt to enter. They looked like grass/sedge communities. As far as aquatics are concerned, Billfish is not very diverse.

We saw 2 adult loons and 2 chicks and a very sedate bullfrog (see photo). The highlight was being observed by three otters who stood up in the water and basically told each other all about us. I think if they had cameras, they would have been taking pictures.

Observed plants include:

Spatterdock (Nuphar variegata)

Northern Manna Grass (Glyceria borealis)

Water Horsetail (Equisetum fluviatile)

Threeway Sedge (Dulichium arundinaceum)

Common Arrowhead (Sagittaria latifolia) ? These were emergent with very narrow leaves.

Water Lobelia (Lobelia dortmanna)

Quillwort ? Isoetes ssp. These were very deep perhaps 12-15 feet.

Unknown Potamogeton These too were way too deep to grab for i.d.

Both of the above were in the channel south of the big island.

Lower Fowler Pond 6/28-29, 2012

Weather sunny with scattered showers. Fairly calm winds. The water level was quite high as evidenced by some usually terrestrial plants being in the water. Most plants were centered in the inlet and outlet areas with only occasional patches in the coves otherwise. The southern and northern shores were sparsely populated. There was mostly a cobble bottom with some silt buildup from the outlet to about 1/4 way down west and south shores. There was again some sediment at the inlet extending to the northwest for a couple hundred yards. The northeast shore was mostly rocky with little growth until the canoe launch outlet area. It is more difficult to work from a canoe because it is harder to reach plants. Thus anything I couldn't reach or I'd from above remains questionable. Note also that all notations on the map listed as Water celery are actually Burr-reed. I finally found a flower.

In addition to plants, there were a lot of bullfrogs and egg masses. Also I saw one adult loon land coming from the south-east (Lower Fowler ?) There were a lot of fresh water mussels. There was a surprising amount of algae on the plants for this early in the year, also saw several patches of bright green algae.

I met up with Kelsey on the morning of the 29th just as I was finishing Lower Fowler.

Observed plants include:

- Threeway Sedge Dulichium arundinaceum
- Broadleafed Cattail Typha latifolia
- Bur-reed Either Narrow Leaf (Sparganium angustifolium)
or Eastern (S. americanum)
- Sundew Drosera rotundifolia Growing on a log at the outlet
- Pipewort Eriocaulon aquaticum
- Water Lobelia (Lobelia dortmanna)
- Largeleaf Pondweed (Potamogeton amplifolius)
- Ribbon Leaf Pondweed (P. epihydrus)
- Unknown Pondweed (Potamogeton ssp.) I couldn't reach it
- Northern Manna Grass (Glyceria borealis)
- Nitella (Nitella ssp.) found a floater
- Spatterdock (Nuphar variegata)
- Large Purple Bladderwort, (Utricularia purpurea) I found a floater
- Alternate flowered Milfoil (Myrophyllum alterniflora)

To: Jean Hoekwater, Baxter State Park

From: Julia Daly, University of Maine at Farmington

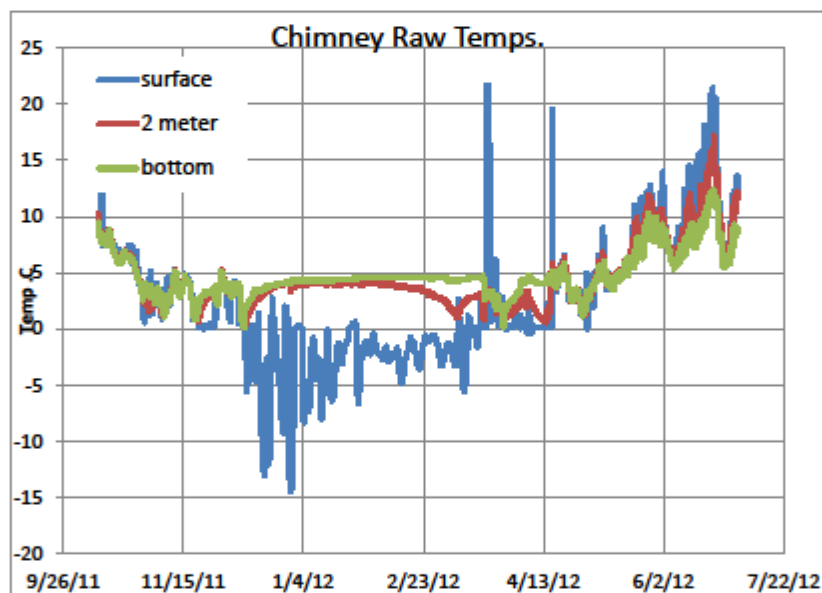
Re: Temperature data update

July 24, 2012

CHIMNEY POND SUMMARY

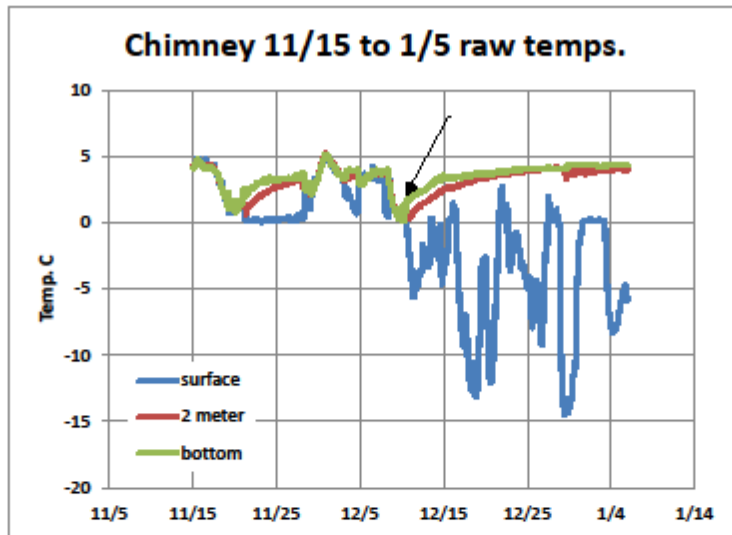
Data loggers measuring temperature and light were moored on a line at ~5m depth. The loggers were placed at three depth: bottom (5m), 2m, and surface (about 10 cm below surface). Measurements were logged every 20 minutes through the fall, winter, and spring until data retrieval July 3, 2012.

Below is a plot showing temperature trends for the entire record:

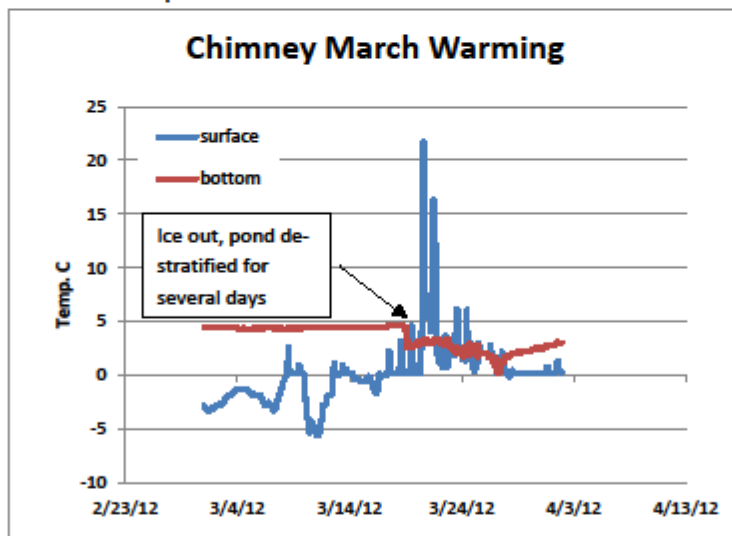


Below are three additional plots focused on specific events: a) onset of winter stratification and ice-in, b) unusually warm March air temperatures, and c) end of winter stratification and ice-out.

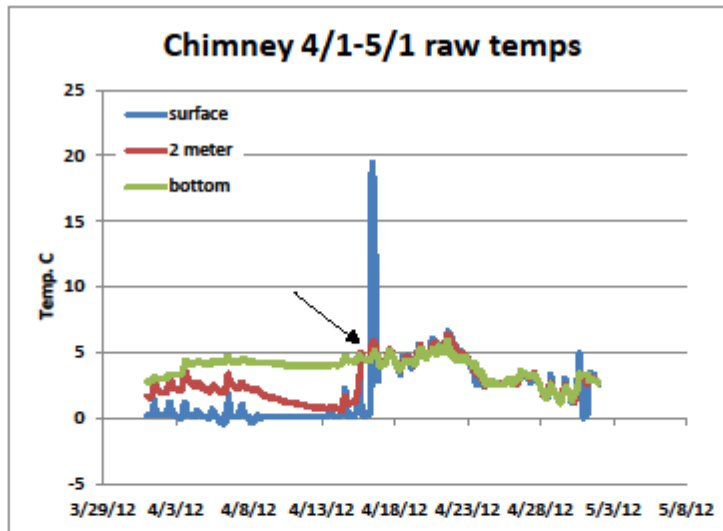
a) Onset of winter stratification and ice-in



b) Warm March temperatures



c) End of winter stratification and ice-out



SUMMARY OF PRELIMINARY RESULTS

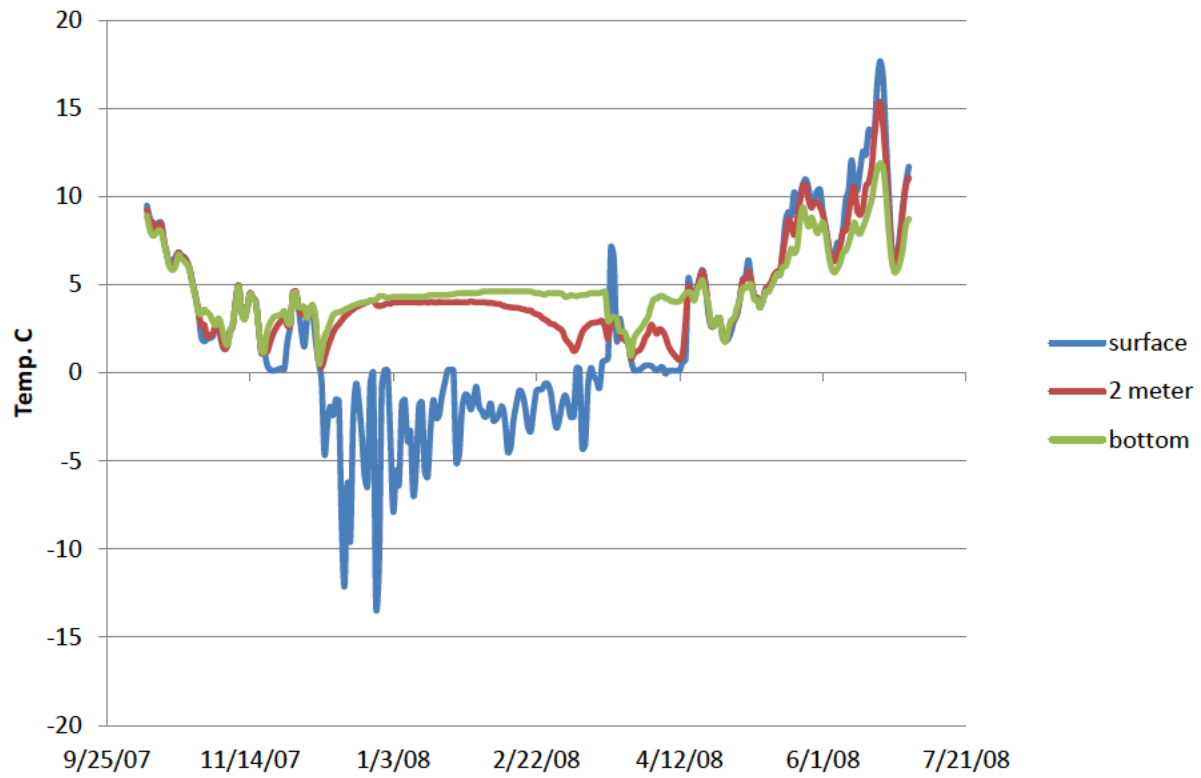
Chimney Pond only displays a strong stratification during the winter months; during the fall, it is continuously mixing (similar to other small ponds) and in the spring and early summer, there is a small decrease in water temperature with depth but no stable stratification. This is likely a result of the pond being so transparent, allowing for solar gain throughout the water column.

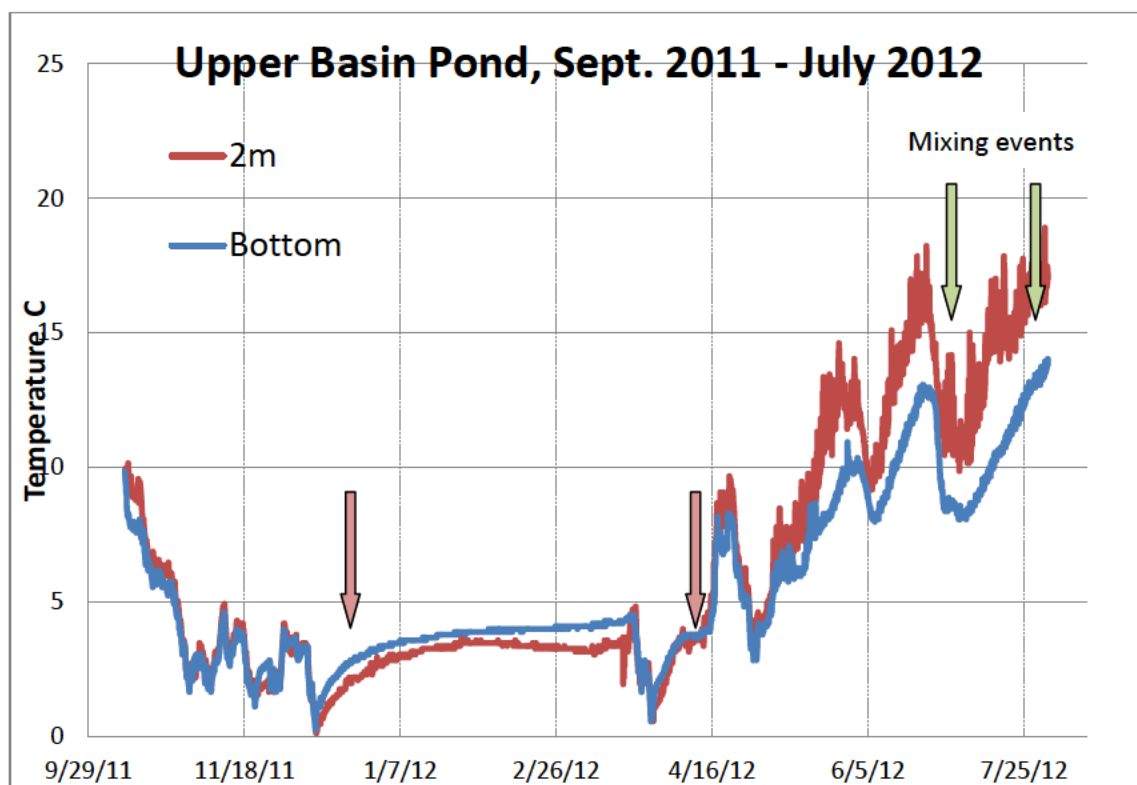
During the winter of 2011-12, Chimney Pond showed strong responses to two anomalous warm periods. By mid-November, the pond had become inversely stratified (warmer, denser water on the bottom). During a typical year, this stratification would have persisted until spring, but in late November and early December unusually warm air temperatures de-stratified the pond and delayed the onset of winter stratification until December 9.

In mid-March, a similar warm spell interrupted the winter stratification and appears to have melted the ice on the pond, allowing the pond to turnover. During this time, the surface temperatures seem to be unusually high, but this may be a result of the data logger floating for a short period of time in a shallow meltwater pool on top of the ice prior to all of the ice cover melting.

The data loggers performed well in this environment, and the logger string appeared to be undisturbed by the winter ice cover. The water clarity aided in easy recovery of the equipment. Batteries were swapped out and the loggers re-deployed.

Chimney Daily Average Temp





UPPER BASIN POND

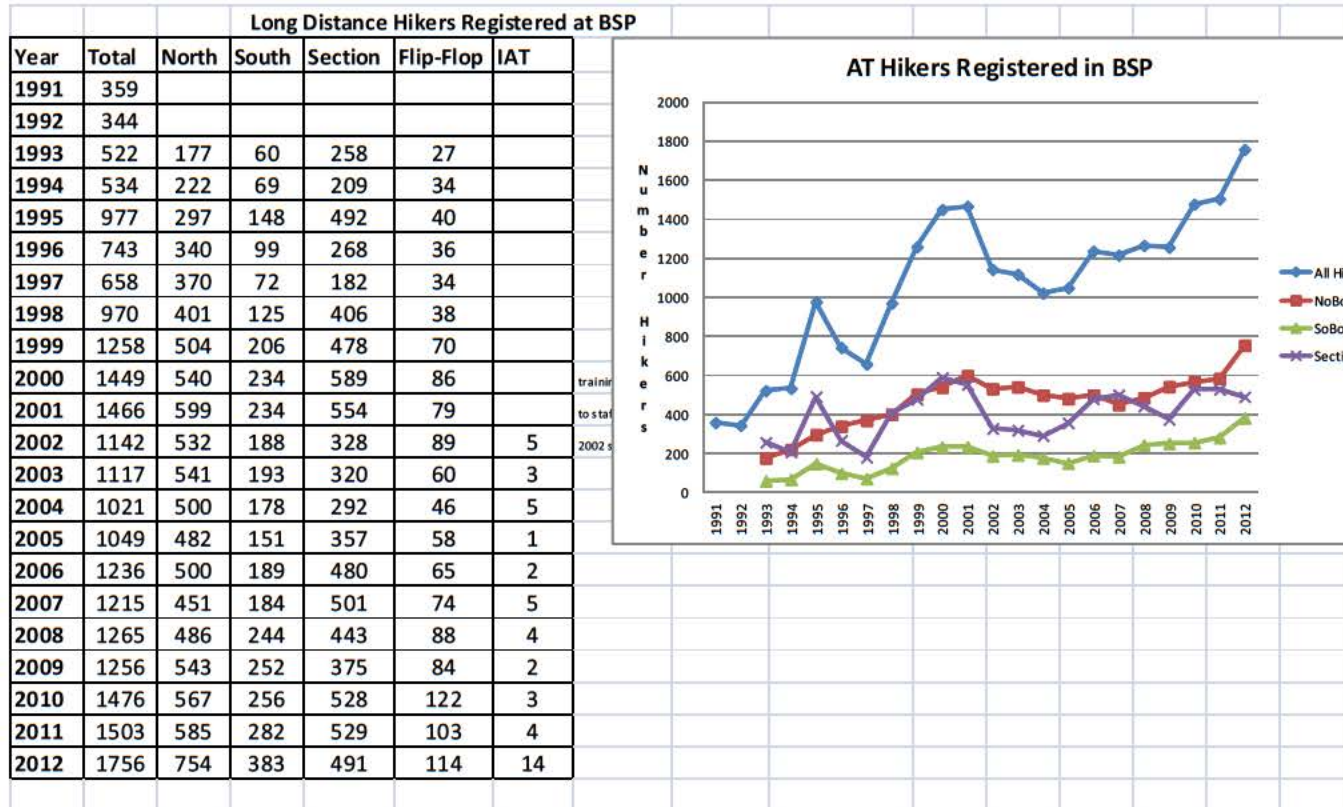
- Duration of record: 10/11/11 – 8/1/12
- Data from surface water data logger not recovered

Major seasonal events:

- Fall turnover 9/13 – 12/10; winter stratification initially tried to set-up on 11/19, but interrupted by atypically warm temperatures in late November and early December
- Onset of winter stratification: 12/10/11 (red arrow)
- End of winter stratification: 3/19/12 (red arrow)
- Duration of winter stratification: 101 days

Ice must have gone out on Upper Basin during the extremely warm March 2012 temperatures, allowing the pond to turn over shortly after ice-out. Without the data from the surface logger it is not possible to directly find ice duration, but we know that it cannot be longer than the period of winter stratification.

After the end of winter stratification, an extended spring mixing period began that persisted until summer stratification set up in early May. Subsequent partial mixing events in June (6/2 – 6/6 and 6/25-6/29) are likely related to the passage of storms through the area and show that the pond was weakly stratified during late spring and early summer 2012.



				2012 Long Distance Hikers					
Month	AT S.	AT N.	Flip/Flop	Section N	Section S	IAT N	IAT S	Total People	Total Campers
May	32	1	0	2	7	5	0	47	39
June	198	19	0	16	42	4	0	279	250
July	100	108	25	119	47	1	0	400	331
August	43	205	53	120	40	1	0	462	355
Sept	9	289	24	69	17	3	0	411	292
Oct	1	132	12	9	3	0	0	157	76
Total	383	754	114	335	156	14	0	1756	1343
76% of hikers camped in the Park									



“Rugged shores and clear waters”


Interpreting biogeochemical response to environmental stressors using the lakes and ponds of Maine's Baxter State Park

Sarah J. Nelson¹
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Adam J. Baumann³
Kenneth B. Johnson⁴

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Influences on Maine surface water geochemistry

1. Landcover/land-use and watershed disturbance
2. Hydrology
3. Atmospheric deposition
4. Bedrock & surficial geology
5. Natural acidity
6. CO₂ supersaturation



South Basin Pond outlet

Influencing all of the above: Weather & climate

Adapted from Kahl, 1998

Influences on Maine surface water geochemistry

1. Landcover/land-use and watershed disturbance

- Urbanization/imperviousness
(Nelson et al., 2012; Rosfford et al., 2007)
- Forest type
(Kahl et al., 2007; Nelson et al., 2007)
- Fire history & harvesting
(Kahl et al., 2007; Parker et al. 2001)

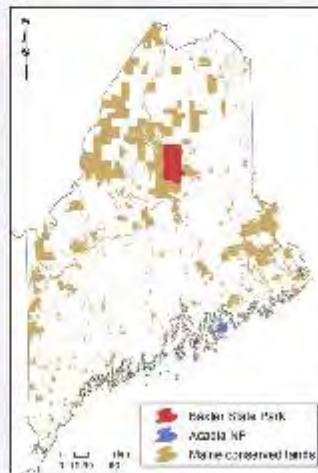


South Basin Pond

Maine conserved lands

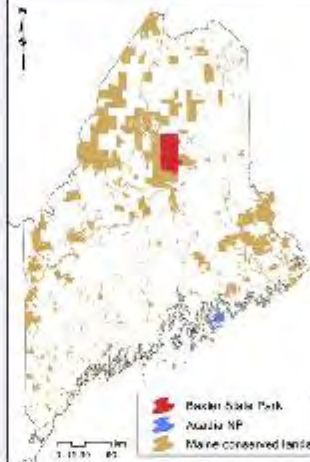
~3.6 million acres in 2010
~17% of the state

For long-term trend research: human development and imperviousness are minimal



Baxter State Park (BSP)

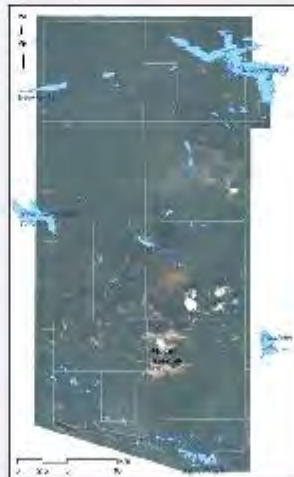
- 209,501 acres
- ~75% of the Park managed as a wildlife sanctuary
- > 40 peaks and ridges
- > 215 miles of trails



Forest type

- Spruce - fir - northern hardwood forest
- "within one of the largest unfragmented forested blocks remaining in the state"

(Beginning with Habitat, 2008; Focus Areas of Statewide Ecological Significance: Baxter region)



Fire history & harvesting

- Fires around Abol, the SFMA, Wassataquoik Lake during the past 2 centuries
- Logging as typical of Maine forests (until designation as a park)

Lorimer, C. 1977, *Ecology* 58: 139-148;
Hansen, 1983 (UMaine thesis);
Friends of BSP, summer 2011;



FIG. 1. Location of the study area (dashed survey of 1991-1992). Dashed and dotted lines are shown to indicate the study area. The region and burned area that cannot be shown to each. Dashed building represents burned and upstate outside the survey boundaries. The western boundary of the 1917 fire on the West Branch Preschool is uncertain because none of the townships that were only partially surveyed.

Influences on Maine surface water geochemistry

1. Landcover/land-use and watershed disturbance
2. Hydrology
 - Landscape position
 - Wetlands

Chimney and Basin Ponds
from Katahdin
(Photos: Maine Hiking & Trails)



Water resources

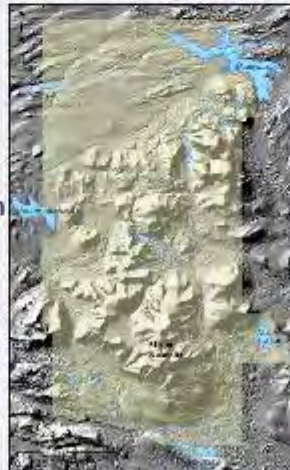
- * ~25,000 acres of lakes, ponds, wetlands
- * Most ponds/lakes <100 acres



(Beginning with Habitat, 2008, Focus Areas of Statewide Ecological Significance: Baxter region)



Wetlands concentrated in northern (lowland) section

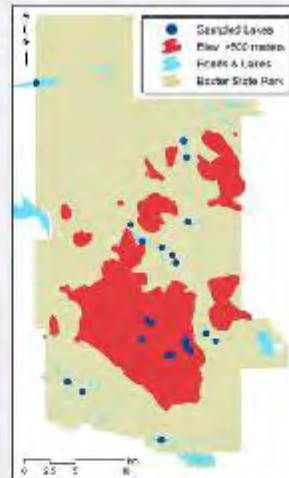


Landscape position: HELM Lakes in BSP

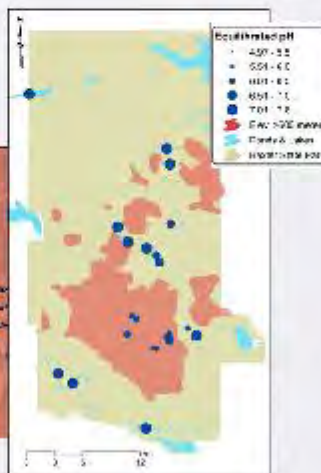
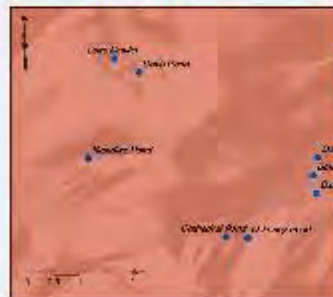
- 9 ponds above 600 meters
- Represent 10% of the State's HELM lakes

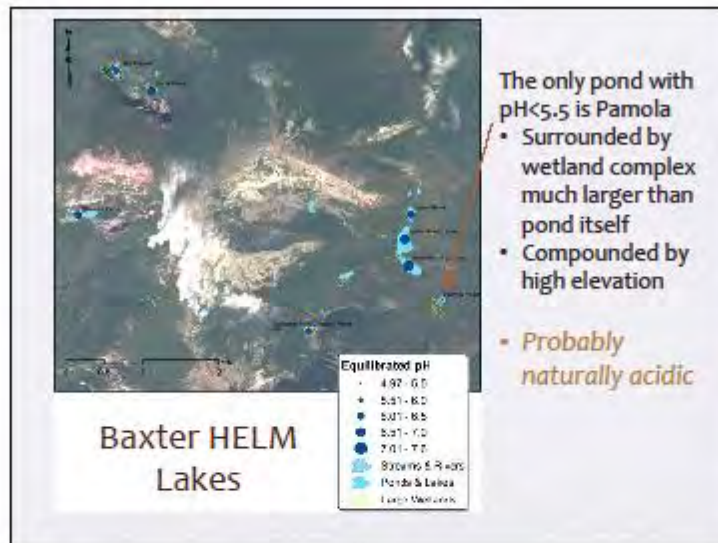


Depot Pond



Baxter HELM Lakes *Cirques surrounding Katahdin peaks*





Influences on Maine surface water geochemistry

1. Landcover/land-use and watershed disturbance
2. Hydrology
3. Atmospheric deposition
 - Acidic deposition
 - Response to Clean Air Act Amendments (1990)

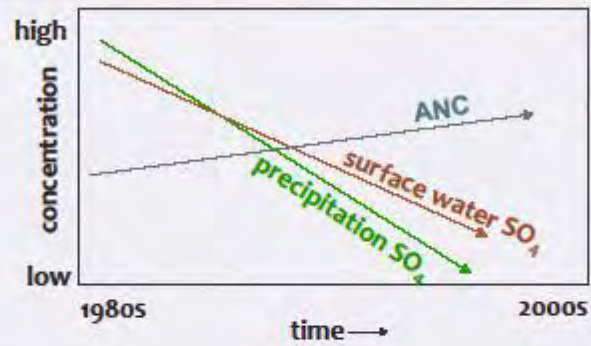


North Basin Pond

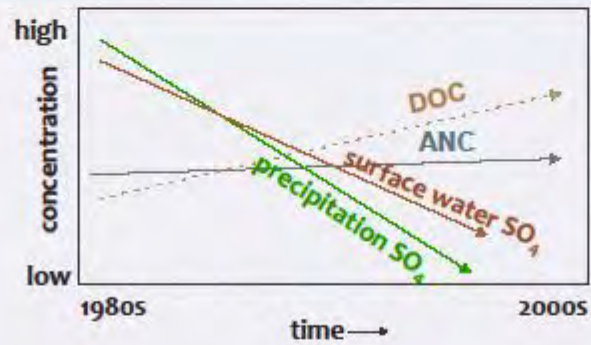
A photograph showing a person water skiing on a calm lake. The skier is in the lower right foreground, leaving a white wake. The background is a dense line of green trees under a cloudy sky. A small portion of a boat is visible on the left edge.

[illegible]

Generalized expectations of the Clean Air Act

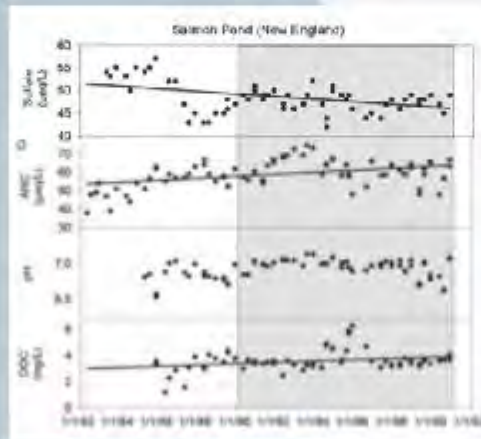
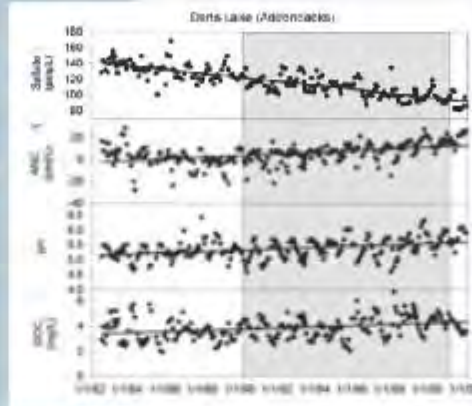


Generalized expectations of the Clean Air Act



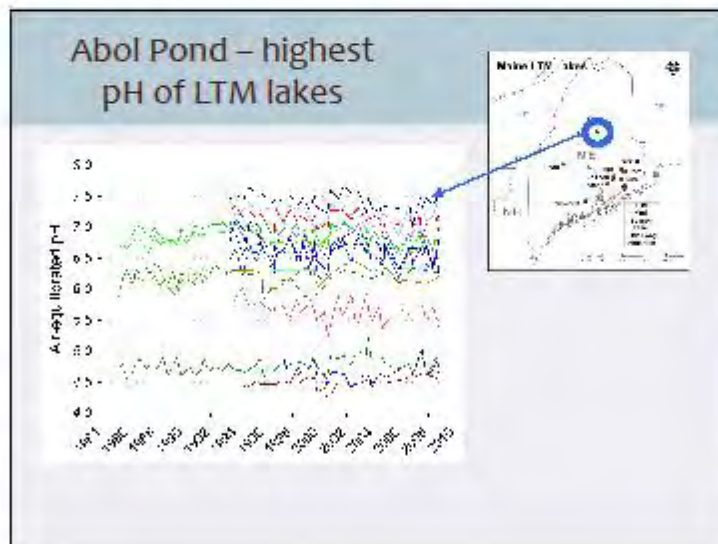
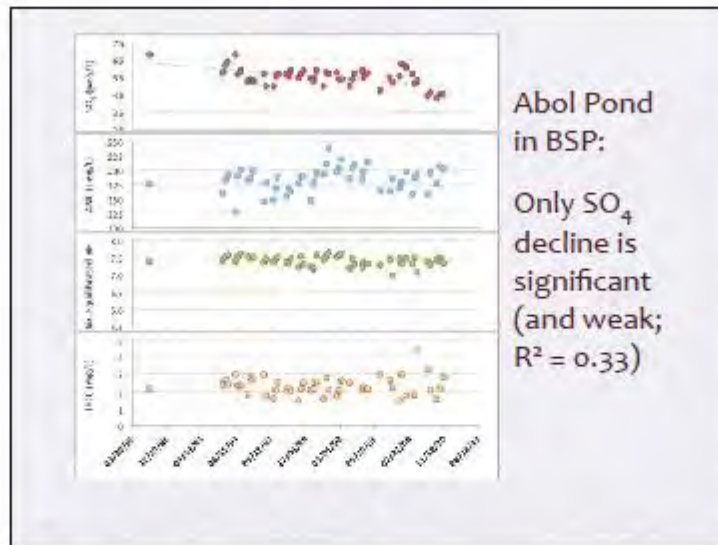
Adirondack
lake with
significant
(and
expected)
response

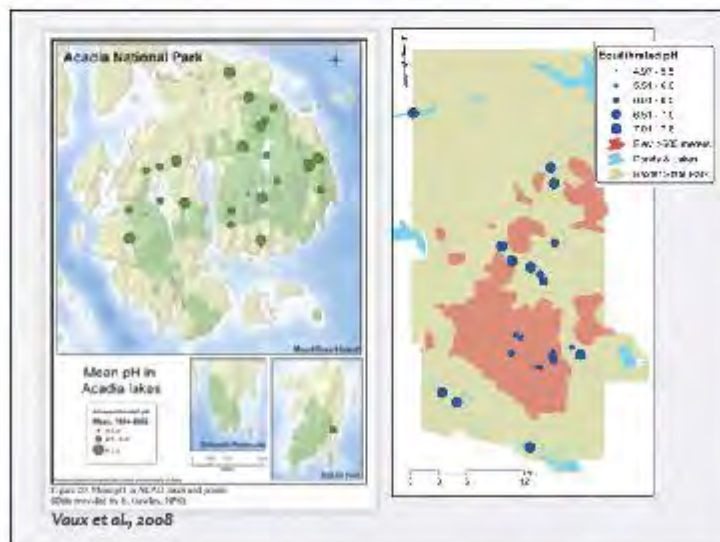
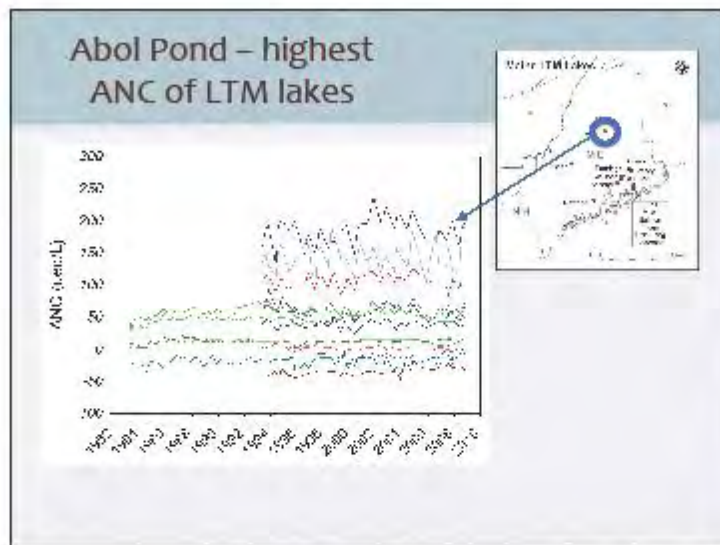
(Kahl et al.,
2003)



Salmon
Pond: less
obvious
(and
significant)

(Kahl et al.,
2003)





Regional trends: 1990-2003

Region	SO ₄	NO ₃	Base Cations	Gran ANC	Hydrogen	DOC	Aluminum
New England Lakes	-1.77**	+0.01 ^{ns}	-1.48**	+0.11 ^{ns}	-6.81 ^{ns}	-0.09*	+0.09 ^{ns}
Adirondack Lakes	-2.29**	-0.47**	-2.29**	+1.03**	-0.19**	+0.06**	-1.12**
Acadia lakes	-0.30*	-0.06 ^{ns}	-0.43*	+0.33 ^{ns}	+0.02 ^{ns}	NA	+0.05 ^{ns}
Baxter lakes	-0.73*	0 ^{ns}	1.10**	-0.37 ^{ns}	0 ^{ns}	0 ^{ns}	

Median slopes for each region
 Units: ueq/L/yr except DOC (mg/L/yr)
 ns: not significant; * p<0.05; ** p<0.01

Kahl et al., 2003; George Wright Society

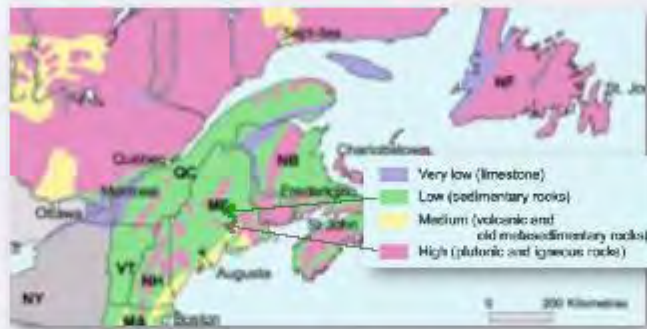
Influences on Maine surface water geochemistry

1. Landcover/land-use and watershed disturbance
2. Hydrology
3. Atmospheric deposition
4. Bedrock & surficial geology

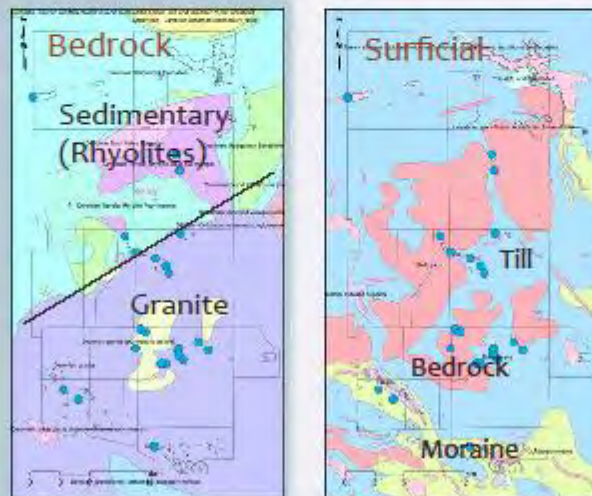


Depot Pond

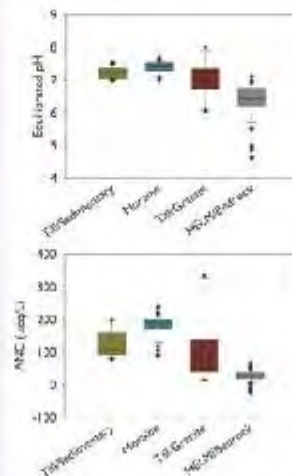
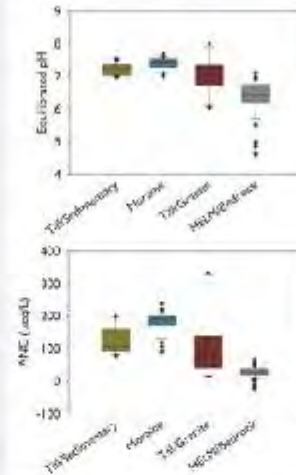
Sensitivity of bedrock to acid precipitation

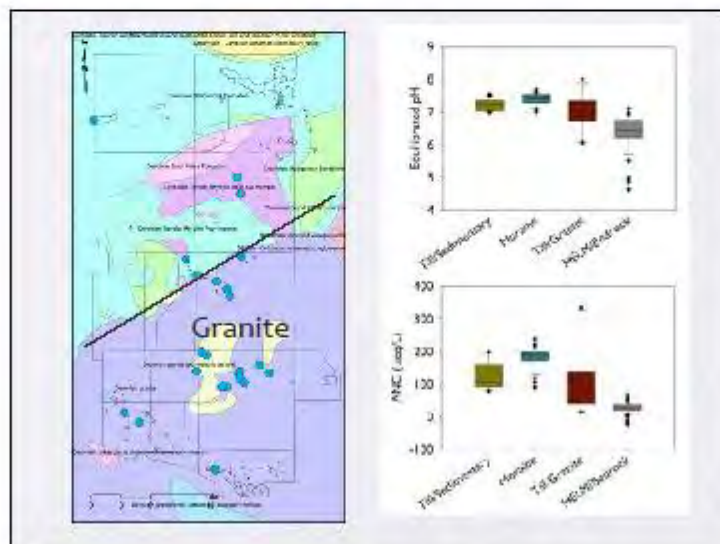
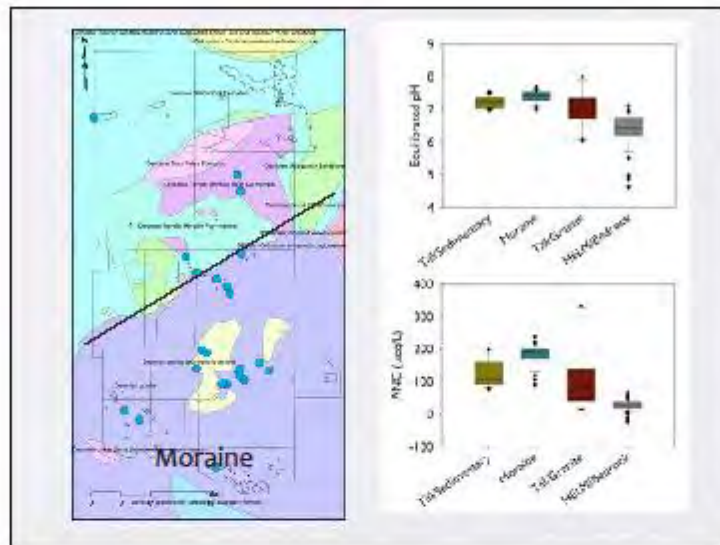


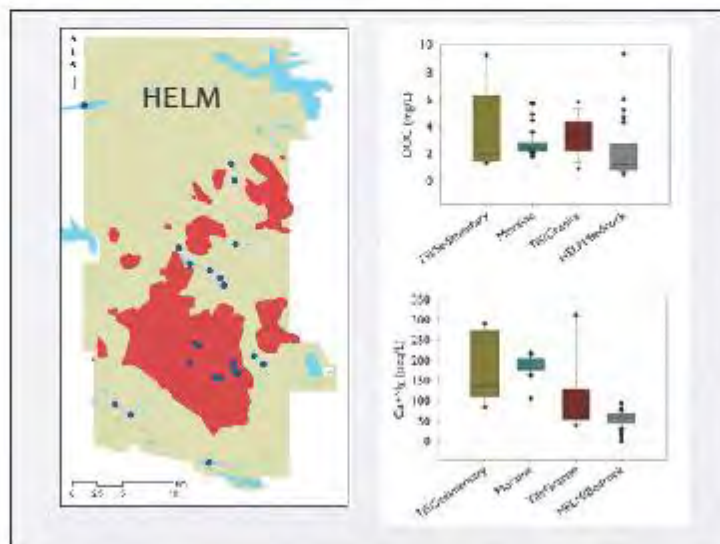
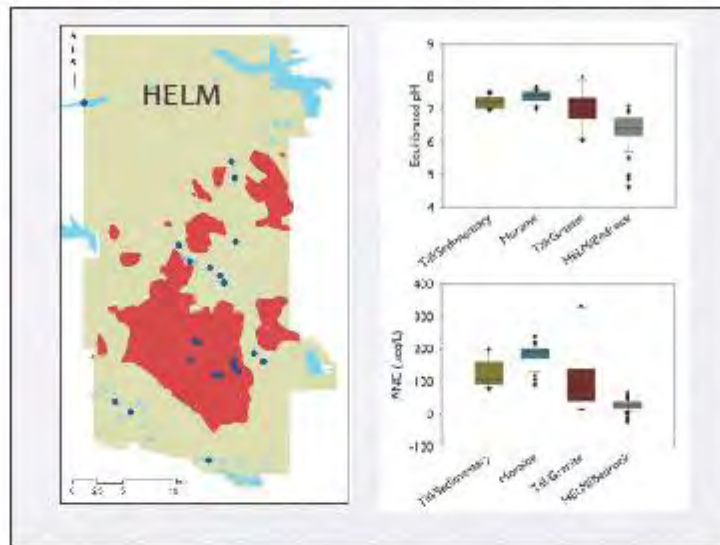
Dupont et al. 2005, *Env. Monit. Assess.*



Lakes grouped by geologic context








Influences on Maine surface water geochemistry


1. Landcover/land-use and watershed disturbance
2. Hydrology
3. Atmospheric deposition
4. Bedrock & surficial geology
5. **Natural acidity**
6. CO₂ supersaturation



South Basin Pond

Influences on Maine surface water geochemistry

1. Landcover/land-use and watershed disturbance
2. **Hydrology**
3. Atmospheric deposition
4. **Bedrock & surficial geology**
5. **Natural acidity (Pamola)**
6. CO₂ supersaturation

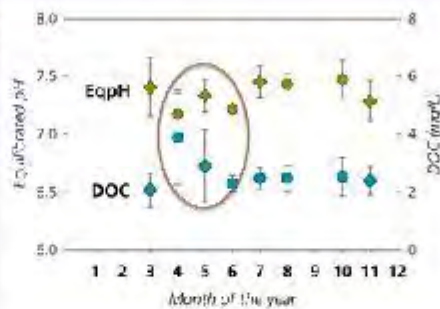


Chimney Pond in Fall

Influencing all of the above: Weather & climate

Seasonal shifts in chemistry highlight importance of events

**Abol Pond
monthly pH
and DOC,
1993-2010**



Acknowledgements

We thank the staff and managers of Baxter State Park for their cooperation in sampling these ponds.

Several field technicians, graduate, and undergraduate students assisted with field sampling and provided photographs, especially Catherine Schmitt, John Cangelosi, Tiffany Wilson, Melinda Neville, Kim Raymond, and John Hyland.

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BSP USE STATS - 139

Comparative Stats – Visitor Days – 2003-2012 - 140

Total Camper Nights - 141

Comparative Stats – Gate House – 2003-2012 - 142

Gate Counts – People Per Month - 143

Gate Counts – People Per Gate - 145

Gate Counts – Vehicles Per Month - 145

Gate Counts – Vehicles Per Gate - 146

Trail Use Summary – Registered Hikes Per Person Per Trail - 147

Trail Use Per Trail Per Campground – 148

Snowmobile Activity Report - 153

BAXTER STATE PARK

COMPARATIVE STATISTICS - VISITOR DAYS

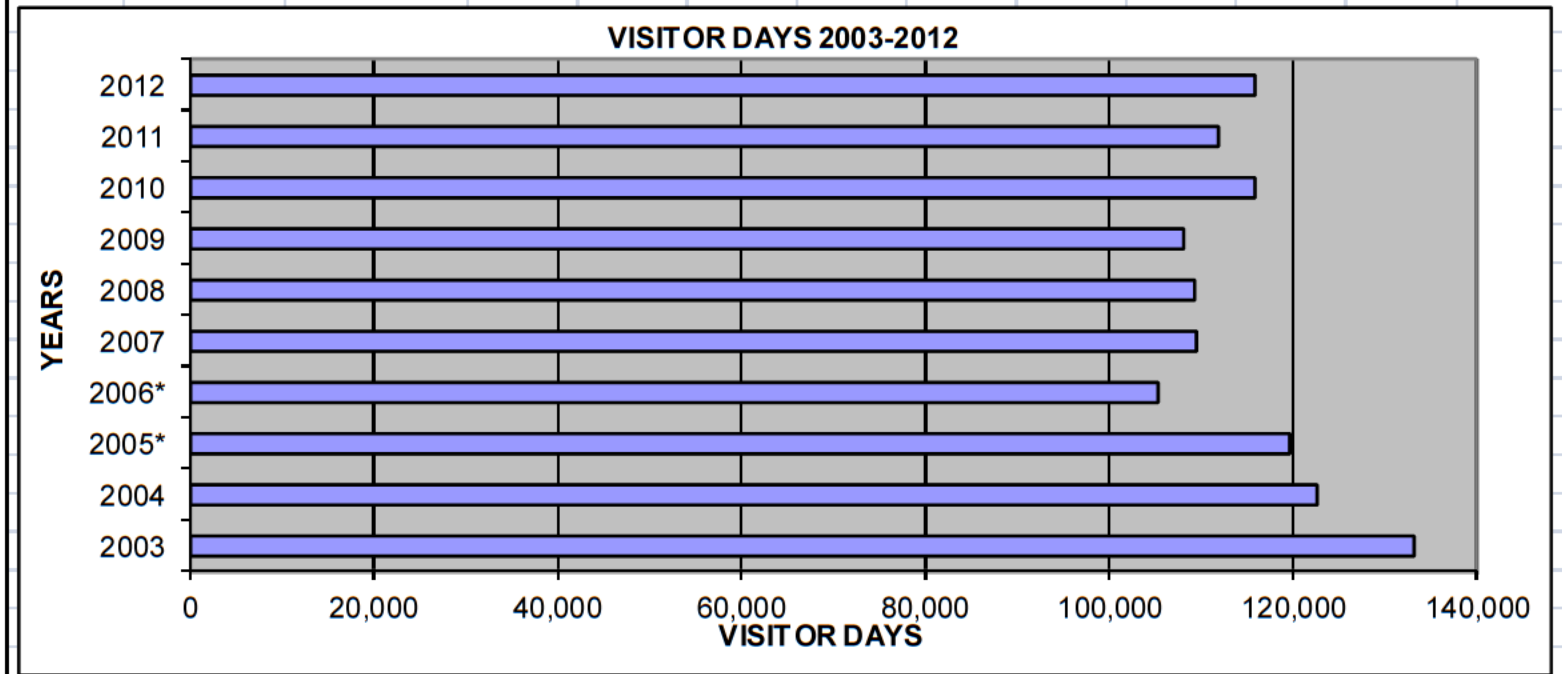
2003 - 2012

VISITOR DAY STATISTICS:	2003	2004	2005*	2006*	2007	2008	2009	2010	2011	2012
TOTAL SUMMER VISITOR DAYS	120,297	117,274	103,196	106,449	107,551	106,544	106,592	114,523	109,265	114,342
TOTAL WINTER VISITOR DAYS	2,333	2,323	2,054	2,410	1,873	2741	1,396	1,240	2,597	1,420
TOTAL PARK VISITOR DAYS	133,090	122,630	119,597	105,250	109,424	109,285	107,988	115,763	111,862	115,762

Visitor day = camper nights + gatehouse headcount

(A visitor staying in the park two nights would spend three days in the Park. Camper nights counts the nights in the Park, gatehouse headcount adds the extra camper day plus includes day users.)

* 2005, late spring delayed opening trails/cmpgrds for 2 weeks. 2006, Neso closed during June. Aval Fld moved to Bear Brook.



BAXTER STATE PARK Camper Night Summary - 2012																	
TOTAL CAMPER NIGHTS (Summer)	50,649							% OF SUMMER				% OF WINTER CAMP-				% PARK	
TOTAL CAMPERS (Summer)	20,373							SUMMER CAMPER				WINTER CAMPER NIGHT					
NIGHTS PER CAMPER (Summer)	2.49																
	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	TOTAL	NIGHT	DEC.	JAN.	FEB.	MAR.	TOTAL	NIGHT	TOTAL	TOTAL	
CAMPGROUNDS																	
Roaring Brook	443	1087	1885	1827	1282	577	7101	17%	14	82	166	130	392	28%	7493	17%	
Abol	120	577	1444	1510	721	256	4628	11%	3	0	24	36	63	4%	4691	11%	
Katahdin Stream	311	1196	1623	1733	1016	390	6269	15%	0	10	3	21	34	2%	6303	15%	
Daicey Pond	284	663	905	928	743	334	3857	9%	24	29	40	71	164	12%	4021	9%	
Kidney Pond	212	649	923	1026	751	344	3905	9%	0	14	20	11	45	3%	3950	9%	
Nesowadnehunk	N/A	259	854	1396	500	N/A	3009	7%	0	10	25	9	44	3%	3053	7%	
Trout Brook Farm	35	109	329	557	154	N/A	1184	3%	3	14	9	5	31	2%	1215	3%	
S. Branch Pond	178	438	1897	2513	975	353	6354	15%	2	36	90	32	160	11%	6514	15%	
Russell Pond	109	292	463	519	260	55	1698	4%	0	8	72	14	94	7%	1792	4%	
Chimney Pond	N/A	612	971	944	740	232	3499	8%	12	67	134	165	378	27%	3877	9%	
Togue Pond	20	55	16	149	84	47	371	1%	0	4	5	6	15	1%	386		
Campground Total	1712	5937	11310	13102	7226	2588	41504	82%	58	274	588	500	1420	100%	43295	83%	
GROUP AREAS																	
Bear Brook	213	320	777	707	475	61	2553	39%							2553	39%	
Foster Field	126	121	594	484	255	N/A	1580	24%							1580	24%	
Nesowadnehunk	N/A	99	726	602	143	N/A	1570	24%		C	L	O	S	E	D	1570	24%
Trout Brook Farm	4	46	258	444	44	N/A	796	12%							796	12%	
Group Area Total	343	586	2355	2237	917	61	6499	13%							6499	12%	
OUTLYING SITES																	
S. Branch Pond	31	59	71	104	71	28	364	14%							364	14%	
Fowler	57	39	74	101	65	N/A	336	13%							336	13%	
Webster	125	66	168	237	141	N/A	737	28%							737	28%	
AT Shelter/Thr Birches	4	17	86	193	161	39	500	19%		C	L	O	S	E	D	500	19%
Davis	N/A	29	47	44	46	11	177	7%							177	7%	
Wassataquoik Area	11	61	155	185	102	18	532	20%							532	20%	
Outlying Total	228	271	601	864	586	96	2646	5%							2646	5%	
TOT. CAMP NIGHTS	2283	6794	14266	16203	8729	2745	50649	100%	58	274	588	500	1420	100%	52440	100%	
% OF PARK TOTAL	4%	13%	27%	31%	17%	5%	97%		0%	1%	1%	1%	3%		100%		

BAXTER STATE PARK

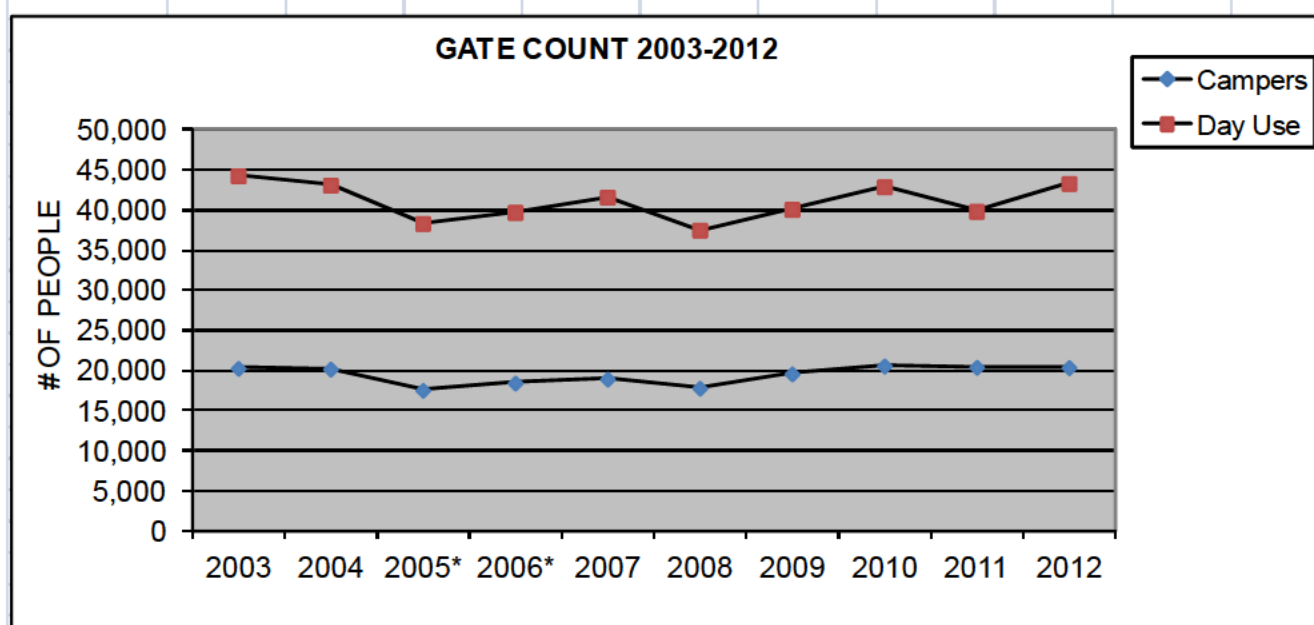
COMPARATIVE STATISTICS 2003 - 2012

GATEHOUSE STATISTICS: 2003-2012

PERSONS	2003	2004	2005*	2006*	2007	2008	2009	2010	2011	2012
Resident	36,027	35,483	31,972	33,402	34,874	31,577	34,992	36,717	34,106	36,352
Non-resident	28,688	28,057	24,095	25,014	25,850	23,862	24,869	26,904	26,255	27,341
TOTAL	64,715	63,540	56,067	58,416	60,724	55,439	59,861	63,621	60,361	63,693
Campers	20,282	20,195	17,552	18,455	18,941	17,808	19,599	20,577	20,415	20,373
Day Use	44,273	43,113	38,338	39,720	41,612	37,506	40,096	42,913	39,850	43,319
Walk/Bike	160	232	177	241	171	125	166	131	85	1
TOTAL	64,715	63,540	56,067	58,416	60,724	55,439	59,861	63,621	60,350	63,693
VEHICLES	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Togue Pond	20,265	19,893	17,163	18,260	20,822	17,485	18,991	18,677	18,322	20,760
Matagamon	4,687	4,388	3,992	4,322	6,834	3,239	3,543	3,485	3,357	3,234
TOTAL	24,952	24,281	21,155	22,582	27,656	20,724	22,534	22,162	21,679	23,994

*Walk/Bike tallied under residents

* 2005, delayed opening trails/cgs for 2 wks. 2006, Nes closed during June. Aval Fld moved to Bear Brook.

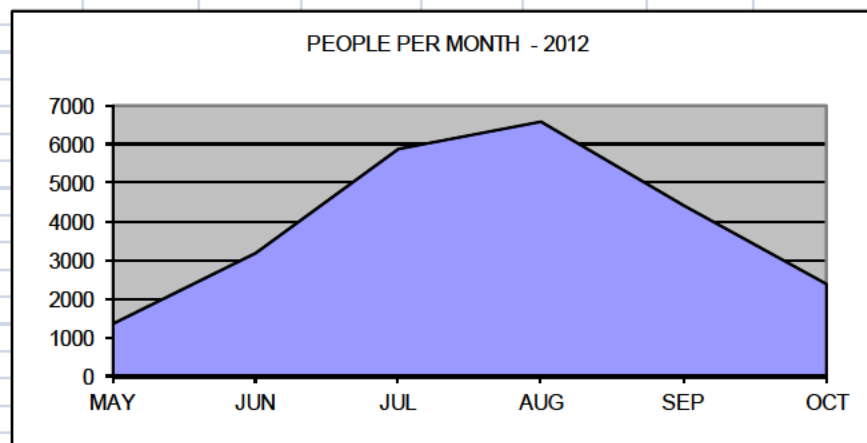


BAXTER STATE PARK - GATE COUNTS - PEOPLE PER MONTH 2012									
	CAMPERS			DAY USE			WALK/ BIKE	TOTAL BY MONTH	% OF TOTAL
	RES	NON-RES	TOTAL	RES	NON-RES	TOTAL			
MAY									
Togue Pond	556	320	876	1167	519	1686			
Matagamon	137	38	175	552	71	623			
Total MAY	693	358	1051	1719	590	2309	0	3360	5%
JUNE									
Togue Pond	1533	1481	3014	2960	1662	4622			
Matagamon	256	49	305	551	162	713			
Total JUNE	1789	1530	3319	3511	1824	5335	0	8654	14%
JULY									
Togue Pond	2169	2697	4866	5767	4650	10417			
Matagamon	795	248	1043	1164	345	1509			
Total JULY	2964	2945	5909	6931	4995	11926	0	17835	28%
AUGUST									
Togue Pond	2567	2584	5151	5611	5186	10797			
Matagamon	855	374	1229	986	419	1405			
Total AUGUST	3422	2958	6380	6597	5605	12202	0	18582	29%
SEPTEMBER									
Togue Pond	1708	150	1858	3322	3148	6470			
Matagamon	318	110	428	441	280	721			
Total SEPTEMBER	2026	260	2286	3763	3428	7191	0	9477	15%
OCTOBER									
Togue Pond	591	713	1304	1901	1910	3811			
Matagamon	83	41	124	361	184	545	1		
Total OCTOBER	674	754	1428	2262	2094	4356	1	5785	9%
TOTALS BY USE CATEGORY	11568	8805	20373	24783	18536	43319	1	63693	100%
% OF TOTAL USE			32%			68%	0.0%		
% BY CATAGORY RES/NON-RES*	CAMPING			DAY USE			TOTAL	RES/NON-RES	
	57%	43%		57%	43%			57%	43%
* Walk/Bike counted as Residents									

BAXTER STATE PARK										
2012 GATE COUNTS - PEOPLE PER GATE										
		C A M P E R S			D A Y U S E			WALK/ BIKE	TOTAL COUNT	% BY GATE
		RES	NON-RES	TOTAL	RES	NON-RES	TOTAL			
TOGUE POND GATE										
May		556	320	876	1167	519	1686		2562	
June		1533	1481	3014	2960	1662	4622		7636	
July		2169	2697	4866	5767	4650	10417		15283	
August		2567	2584	5151	5611	5186	10797		15948	
September		1708	150	1858	3322	3148	6470		8328	
October		591	713	1304	1901	1910	3811		5115	
TOGUE POND TOTAL		9,124	7,945	17,069	20,728	17,075	37,803	0	54,872	86%
MATAGAMON GATE										
May		137	38	175	552	71	623		798	
June		256	49	305	551	162	713		1018	
July		795	248	1043	1164	345	1509		2552	
August		855	374	1229	986	419	1405		2634	
September		318	110	428	441	280	721		1149	
October		83	41	124	361	184	545	1	670	
MATAGAMON TOTAL		2,444	860	3,304	4,055	1,461	5,517	1	8,821	14%
TOTAL GATES		11,568	8,805	20,373	24,783	18,536	43,319	1	63,693	

BAXTER STATE PARK							
2012 GATE COUNTS - VEHICLE PER MONTH							
	VEHICLES			TOTAL	% OF	TOTAL	AVE.
	RES	NON-RES	PASS	VEH/ MONTH	TOTAL VEH	PEOPLE/ MONTH**	PEOPLE/ VEHICLE
MAY							
Togue Pond	685	375	4	1064			
Matagamon	283	46	0	329			
Total MAY	968	421	4	1393	6%	3360	2.4
JUNE							
Togue Pond	1640	1186	0	2826			
Matagamon	306	86	0	392			
Total JUNE	1946	1272	0	3218	13%	8654	2.7
JULY							
Togue Pond	2602	2479	2	5083			
Matagamon	616	207	4	827			
Total JULY	3218	2686	6	5910	25%	17835	3.0
AUGUST							
Togue Pond	2835	2841	1	5677			
Matagamon	649	288	1	938			
Total AUGUST	3484	3129	2	6615	28%	18582	2.8
SEPTEMBER							
Togue Pond	1975	1990	0	3965			
Matagamon	311	173	1	485			
Total SEPT	2286	2163	1	4450	19%	9477	2.1
OCTOBER							
Togue Pond	1017	1135	1	2153			
Matagamon	166	103		269			
Total OCTOBER	1183	1238	1	2422	10%	5785	2.4
TOTAL BY	13085	10909	14				
USE CATEGORY				24008	100%	63693	2.7
%BY CATEGORY	55%	45%	0%				

** From Chart: Gate Counts - People per Month 2012

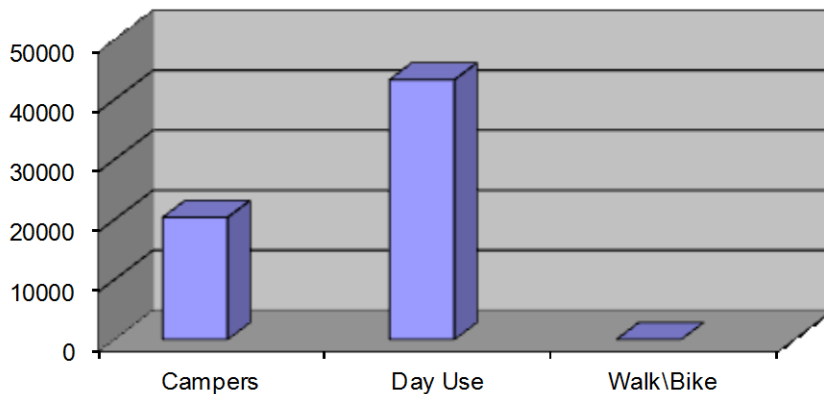


MAY	1393
JUN	3218
JUL	5910
AUG	6615
SEP	4450
OCT	2422

**BAXTER STATE PARK
2012 GATE COUNTS/VEHICLE PER GATE**

V E H I C L E S						% OF
		RES	NON-RES	PASS	TOTAL	TOTAL
TOGUE POND GATE						
May		685	375	4	1064	
June		1640	1186	0	2826	
July		2602	2479	2	5083	
August		2835	2841	1	5677	
September		1975	1990	0	3965	
October		1017	1135	1	2153	
TOGUE TOTAL		10754	10006	7	20768	87%
MATAGAMON GATE						
May		283	46	0	329	
June		306	86	0	392	
July		616	207	4	827	
August		649	288	1	938	
September		311	173	1	485	
October		166	103	1	270	
MATAGAMON TOTAL		2331	903	7	3241	13%
TOTAL GATES		13085	10909	14	24009	

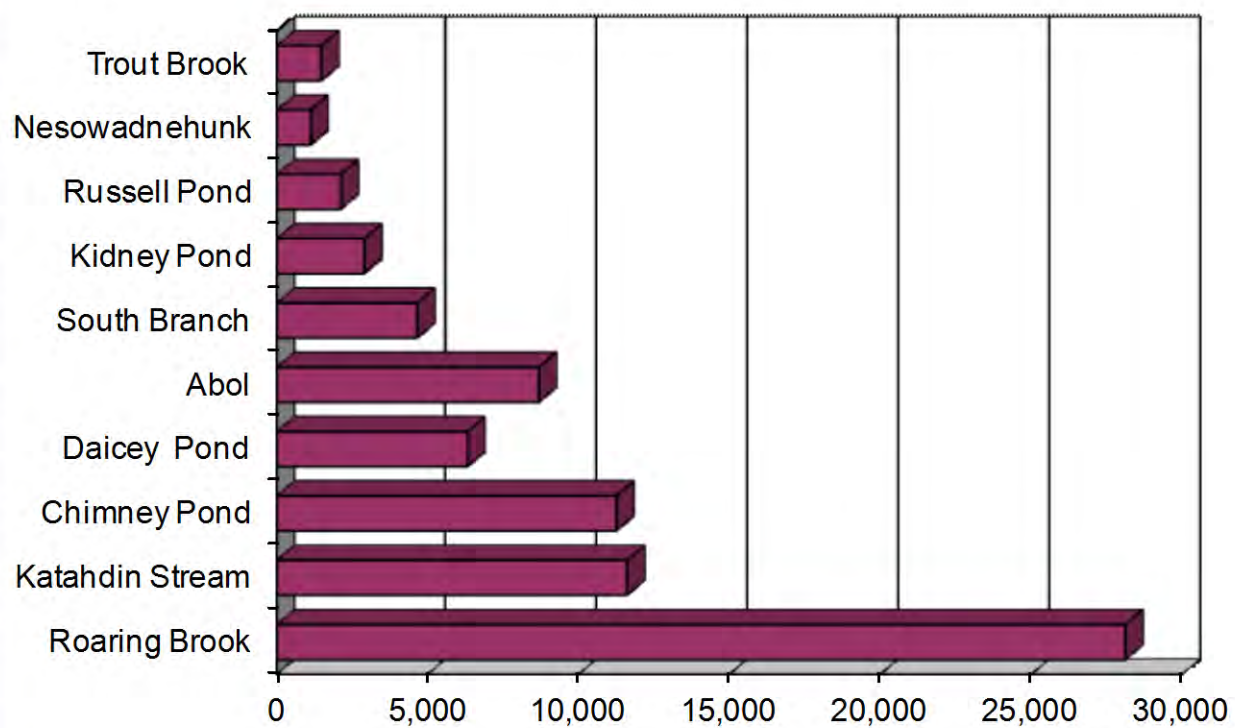
GATE HEADCOUNTS BY USE 2012



Campers	20373
Day Use	43319
Walk\Bike	1

		Roaring Brook	28,101				
		Katahdin Stream	11,597				
		Chimney Pond	11,244				
		Daicey Pond	6,315				
		Abol	8,680				
		South Branch	4,649				
		Kidney Pond	2,894				
		Russell Pond	2,110				
		Nesowadnehunk	1,117				
		Trout Brook	1,472				

REGISTERED HIKES BY AREA - 2012



BAXTER STATE PARK										
TRAIL USE SUMMARY - 2012										
REGISTERED HIKES PER PERSON PER TRAIL										
		MONTH						TRAIL	AREA	% OF
TRAIL NAME		MAY	JUN	JUL	AUG	SEPT	OCT	TOTAL	TOTAL	TOTAL
KATAHDIN STREAM:										
Hunt		329	1,085	2,398	2,847	1,842	1,005	9,506		
Owl		8	63	217	177	111	63	639		
Grassy Pond		43	188	63	118	57	64	533		
O.J.I.		14	18	53	143	22	34	284		
A.T. South		29	152	147	78	27	4	437		
Blueberry Ledges		5	22	71	65	26	9	198		
KAT STR TOTALS		428	1,528	2,949	3,428	2,085	1,179	11,597	11,597	15%
ABOL:										
Abol Trail		148	588	1,491	1,749	850	325	5,151		
Abol Falls		18	19	109	40	45	29	260		
Abol Pond/Stream		31	2	24	34	51	41	183		
Blueberry Ledges		396	86	247	289	219	78	1,315		
AT North		132	111	343	366	357	92	1,401		
Foss & Knowlton		7	3	8	10	14	2	44		
Kettle Ponds		8	11	17	5	33	16	90		
Cranberry Pond		12	8	69	64	36	47	236		
ABOL TOTALS		752	828	2,308	2,557	1,605	630	8,680	8,680	11%
ROARING BROOK:										
Chimney		251	2,145	4,031	4,137	2,771	929	14,264		
Helon Taylor		129	418	908	786	558	77	2,876		
Sandy Stream		549	1,243	2,280	1,949	1,208	772	8,001		
South Turner		153	123	272	264	140	75	1,027		
Russell Pond		44	124	287	259	145	46	905		
Nature Trail		7	16	25	16	16	2	82		
Katahdin Lake		44	87	275	282	133	39	860		
Martin Ponds		8	4	0	34	17	0	63		
North Katahdin Lake		0	7	0	16	0	0	23		
Rum Pond		0	0	0	0	0	0	0		
RRG BK TOTALS		1,185	4,167	8,078	7,743	4,988	1,940	28,101	28,101	36%

SOUTH BRANCH POND:									
South Branch Falls	43	112	296	332	161	53	997		
Ledges	16	35	135	217	105	44	552		
Howe Brook	45	66	226	319	139	58	853		
North Traveler	34	47	257	348	141	34	861		
Center Ridge	8	12	14	30	4	4	72		
Traveler Loop	21	16	80	148	83	33	381		
South Branch Mountain	11	11	112	110	62	14	320		
Pogy Notch	49	67	131	153	79	41	520		
Middle Fowler	11	9	28	23	22	0	93		
Burnt Mountain	0	0	0	0	0	0	0		
SO BRANCH TOTAL	238	375	1,279	1,680	796	281	4,649	4,649	6%
NESOWADNEHUNK:									
Double Top	24	55	218	216	CL	CL	489		
Marston	15	31	190	218	OS	OS	439		
Wassataquoik Lake Trail	0	25	72	0	E	E	97		
Dwelley Trail	11	20	52	9	D	D	92		
NESO TOTALS	0	131	532	443	0	0	1,106	1,117	1%
continued...									
Registered hikes per person per trail, continued									
TRAIL NAME	MAY	JUN	JUL	AUG	SEPT	OCT	TRAIL TOTAL	AREA TOTAL	% OF TOTAL
CHIMNEY POND:*									
Dudley	33	301	512	385	326	47	1,604		
Cathedral	36	665	1,482	1,404	955	186	4,728		
Saddle	0	586	1,258	1,325	933	442	4,544		
Hamlin	7	29	46	43	33	6	164		
North Basin	0	23	25	70	48	15	181		
NorthWest Basin	0	11	3	3	4	2	23		
CHIMNEY TOTALS	0	1,615	3,326	3,230	2,299	698	11,168	11,244	14%
DAICEY POND:									
Niagara Falls	325	559	1,494	1,407	728	301	4,814		
Daicy Pond Nature Trail	11	67	132	139	98	34	481		
Lost Pond Trail	11	17	28	20	17	14	107		
Sentinel Mt. Trail	0	0	0	0	0	0	0		
A.T. to Katahdin	4	16	38	87	79	21	245		
Daicey to Grassy	6	30	42	61	33	21	193		
Daicey to Elbow	0	5	20	2	22	16	65		
Daicey to Kidney	0	0	3	0	0	0	3		
DAICEY TOTALS	357	694	1,757	1,716	977	407		6,315	8%

KIDNEY POND:									
Double Top	53	15	102	160	58	20	408		
Sentinel Mountain	82	69	270	419	289	97	1,226		
Rocky Pond	80	81	85	87	76	41	450		
Draper Pond	7	17	27	24	57	9	141		
Kidney Pond Circuit	14	13	46	32	22	0	127		
Celia & Jackson	41	42	30	31	62	16	222		
Windy Pitch/Niagara/ Lil	18	30	29	44	26	10	157		
Slaughter Pond	7	21	29	53	45	8	163		
KIDNEY TOTALS	302	288	618	850	635	201	2,894	2,894	4%
RUSSELL POND:									
Russell Pond Trail	7	51	124	96	93	22	393		
Wassataquoik Stream	43	67	129	104	78	19	440		
Pogy Notch Trail	17	13	26	23	27	9	115		
Wassataquoik Lake	42	88	156	187	96	27	596		
North West Basin Trail	6	38	77	66	46	11	244		
Grand Falls Trail	12	23	57	100	31	0	223		
Lookout Trail	8	12	24	29	18	8	99		
North Peaks Trail	0	0	0	0	4	2	6		
RUSSELL TOTALS	135	292	593	605	393	98	2,116	2,110	3%
TROUT BROOK FARM:									
Horse Mountain	24	31	39	85	27 C		206		
Five Ponds	31	22	63	77	41 L		234		
Fowler Pond	23	51	78	90	63 O		305		
Freezeout	26	26	36	39	57 S		184		
Frost Pond	5	6	7	15	10 E		43		
Trout Brook Mountain	34	28	107	162	70 D		401		
Wadleigh Brook	11	0	21	43	24 X		99		
TROUT BR. TOTAL	154	164	351	511	292	0	1,472	1,472	2%
MONTHLY TOTALS								78,179	100%
% OF TOTAL								100%	
*Early spring arrival allowed opening of Dudley, Cathedral, and Saddle Trails to open in May.									

2012	May	Total						
Campgr	Trail	May	June	July	Aug	Sept	Oct	
RB	Chimney	251	2145	4031	4137	2771	929	14264
RB	Helon Taylor	129	418	908	786	558	77	2876
RB	Sandy Stream	549	1243	2280	1949	1208	772	8001
RB	South Turner	153	123	272	264	140	75	1027
RB	Russell Pond	44	124	287	259	145	46	905
RB	Nature Trail	7	16	25	16	16	2	82
RB	Katahdin Lake Trail	44	87	275	282	133	39	860
RB	Martin Ponds	0	4	0	34	17	0	55
RB	North Kathadin Lake	0	2	0	16	0	0	18
RB	Rum Pond	0	0	0	0	0	0	0
Abol	Abol Trail	148	588	1491	1749	850	325	5151
Abol	Abol Falls	18	19	109	40	45	29	260
Abol	Abol Pond/Stream Trail	31	2	24	34	51	41	183
Abol	Blueberry Ledges	396	86	247	289	219	78	1315
Abol	AT North	132	111	343	366	357	92	1401
Abol	Foss & Knowlton	7	3	8	10	14	2	44
Abol	Kettle Ponds	8	11	17	5	33	16	90
Abol	Cranberry Pond	12	8	69	64	36	47	236
KS	Hunt	329	1085	2398	2847	1842	1005	9506
KS	Owl	8	63	217	177	111	63	639
KS	Grassy Pond	43	188	63	118	57	64	533
KS	O.J.I.	14	18	53	143	22	34	284
KS	A.T.South	29	152	147	78	27	4	437
KS	Blueberry Ledges	5	22	71	65	26	9	198
DP	Niagara Falls	325	559	1494	1407	728	301	4814
DP	Nature Trail	11	67	132	139	98	34	481
DP	Lost Pond	11	17	28	20	17	14	107
DP	Sentinel Mountain	0	0	0	0	0	0	0
DP	A.T. Katahdin	4	16	38	87	79	21	245
DP	Grassy Pond	6	30	42	61	33	21	193
DP	Elbow Pond	0	5	20	2	32	16	75
DP	Kidney/Lily Pad	0	0	3	0	0	0	3
KP	Double Top	53	15	102	160	58	20	408
KP	Sentinel Mountain	82	69	270	419	289	97	1226
KP	Rocky Pond	80	81	85	87	76	41	450
KP	Draper Pond	7	17	27	24	57	9	141
KP	Kidney Pond Circuit	14	13	46	32	22	0	127
KP	Celia/Jackson	41	42	30	31	62	16	222
KP	Lily/Windy/Niagara	18	30	29	44	26	10	157
KP	Slaughter Pond	7	21	29	53	45	8	163
NESO	Double Top North	24	55	218	216	161		674
NESO	Marston	15	31	190	218	105		559
NESO	Wassataquoik Lake	0	25	72	0	139		236
NESO	Dwelley	11	20	52	9	0		92

SB	South Branch Falls	43	112	296	332	161	53	997
SB	Ledges	16	35	135	217	105	44	552
SB	Howe Brook	45	66	226	319	139	58	853
SB	North Traveler	34	47	257	348	141	34	861
SB	Center Ridge	8	12	14	30	4	4	72
SB	Traveler Loop	21	16	80	148	83	33	381
SB	South Branch Mountain	11	11	112	110	62	14	320
SB	Pogy Notch	49	67	131	153	79	41	520
SB	Burnt Mountain	0	0	0	0	0	0	0
SB	Middle Fowler	11	9	28	23	22	0	93
TB	Horse Mountain	24	31	39	85	27		206
TB	Five Ponds Trail	31	22	63	77	41		234
TB	Fowler Pond	23	51	78	90	63		305
TB	Freezeout	26	26	36	39	57		184
TB	Frost Pond	5	6	7	15	10		43
TB	Trout Brook Mountain	34	28	107	162	70		401
TB	Wadleigh Brook	11	0	21	43	24		99
CP	Dudley	33	301	512	385	326	47	1604
CP	Cathedral	36	665	1482	1404	955	186	4728
CP	Saddle	0	586	1258	1325	933	442	4544
CP	Hamlin	7	29	46	43	33	6	164
CP	North Basin	0	23	25	70	48	15	181
CP	North West Basin	0	11	3	3	4	2	23
CP	North Peaks Trail	0	0	0	0	0	0	0
RP	Russell Pond	7	51	124	96	93	22	393
RP	Wassataquoik Stream	43	67	129	104	78	19	440
RP	Pogy Notch Trail	17	13	26	23	27	9	115
RP	Wassataquoik Lake	42	88	156	187	96	27	596
RP	North West Basin	6	38	77	66	46	11	244
RP	Grand Falls	12	23	51	100	31	0	217
RP	Lookout	8	12	24	29	18	8	99
Grand Totals		3,669	10077	21785	22763	14481	5432	
								78,207

Baxter State Park

Final Snowmobile Activity Report

Winter 2011 - 2012

	11-12	10-11	09-10
<u>Togue and Matagamon areas (Interior / Tote Rd.)</u>			
Total snowmobile counts from Matagamon and Togue gates:	3368	3142	4059
Number of pedestrians counted (going in <u>and</u> out both gates)*:	1154	870	951
Total snowmobile counts less pedestrians:	2214	2272	3108
One half the snowmobile count will represent the number of actual snowmobiles that visited Baxter State Park through the Matagamon and Togue areas:	1107	1136	1554

BSP Tote Road through traffic.

Total snowmobile counts, represents amount of through traffic.
These numbers already captured at Togue and Matagamon:

774	438	776
-----	-----	-----

Roaring Brook Road & Katahdin Lake Trail

Roaring Brook Road snowmobile count (less BSP visitors,
including BSP staff, Katahdin Lake staff & visitors):

795**	1176*	1233*
	*	*

Katahdin Lake Tr. (includes K.L. staff, BSP staff & K.L. visitors):

1005*	1043*	
*	*	742**

*The visitor numbers listed here do not include winter campers headed toward Abol, Katahdin Stream, Daicey Pond, Kidney Pond and Nesowadnehunk.

**The counts for the Roaring Brook Road and Katahdin Lake Tr. are totals.
The actual number (capturing BSP & KL staff) would be half, less KL visitors

PARK ADVISORY COMMITTEE ROSTERS - 154

BSP Authority - 155

BSP Advisory - 155

BSP Advisory Standing Sub-Committees - 156

Director's Research Committee - 157

BSP SFMA - 158

BAXTER STATE PARK MISSION STATEMENT - 159

BAXTER STATE PARK
AUTHORITY/ADVISORY LISTING
Effective 5/12/2012

AUTHORITY MEMBERS	ADDRESS	TELEPHONE NUMBERS
DOUG DENICO DIRECTOR MAINE FOREST SERVICE Doug.Denico@maine.gov	22 State House Station Augusta, ME 04333-0022	287-2791
CHANDLER WOODCOCK COMMISSIONER IF&W Joel.Wilkerson@Maine.gov	284 State Street 41 State House Station Augusta, ME 04333-0041	287-5202
WILLIAM SCHNEIDER ATTORNEY GENERAL William.J.Schneider@maine.gov	Six State House Station State Office Building Augusta, ME 04333-0006	626-8800

ADVISORY MEMBERS	TERM / APPOINTMENT DATE	ADDRESS
1. CARLA RITCHIE, CHAIR	2007/2013	Etna, ME 04434
2. RICHARD BRAY, VICE CHAIR	2008/2016	Brunswick, ME 04011
3. ERIC BAXTER	C	Portland, ME 04101
4. R. MICHAEL WHITE	C	Hampden, ME 04444
5. DAVE BUCCELLO	2010/2015	Bar Harbor, ME 04609
6. DOUG CALLNAN	2010/2018	Houlton, ME 04730
7. SHERRY DUBIS	2010/2017	Fort Kent, ME 04743
8. DAVID EDWARDS	2008/2015	Pownal, ME 04069
9. TOM GOETZ	2008/2016	Woodland, ME 04736
10. BRUCE HANCOCK	2007/2014	Portland, ME 04102
11. SPENCER MEYER	2007/2017	Hampden, ME 04444

12. DARRELL MORROW	2011/2017	Gorham, ME 04038
13. LAURIE NALE	2008/2018	Waterville, ME 04901
14. LAURIE RICH	2008/2014	Hampden, ME 04444
15. CHARLIE WOODWORTH	2007/2013	Yarmouth, ME 04096

<p align="center">BSP ADVISORY STANDING SUB-COMMITTEES MEMBER LISTING Revised 05/19/2012</p>
--

NAME	ADDRESS
1. BRIAN NOYES, chair	South Freeport, ME
2. STEVE HUTNAK	Cumberland Foreside, ME, 04110
3. RUPERT WHITE	Brunswick, ME 04011
4. CHRIS NELSON	Orono, ME 04473
5. CARL GERCKE	Falmouth, ME 04105
6. CARLA RITCHIE	Etna, ME 04434
7. RICK BRAY	Brunswick, ME 04011
8. JOHN LOYD	Harpswell, ME 04079

Baxter State Park Advisory chair and vice chair share responsibility to serve as members on all subcommittees.

- *Subcommittee members only, not BSP Advisory Committee member.

DIRECTOR'S RESEARCH COMMITTEE

Revised 05/12/2012

Jean Hoekwater, Staff Coordinator
Dave Field, U of M - Retired
Steven Oliveri, Vines Arbortum
Woodrow Thompson, M.G.S.
Roy Farnsworth, Bates College - Retired
Hank Tyler, State Planning - Retired
Dykstra Eusden, Bates College
George Matula, IF&W
Richard Dearborn, MFS - Retired
Don Hudson, Chewonki Foundation
Dave Courtemanch, Dept. of Environmental Protection
Steve Selva, University of Maine Fort Kent
Kathleen Murray, Department of Agriculture

<p style="text-align: center;">BAXTER STATE PARK</p> <p style="text-align: center;">SCIENTIFIC FOREST MANAGEMENT AREA</p>

MEMBERS	TERM	ADDRESS
ALISON DIBBLE, CHAIR	2012	Brooklin, ME 04616
LINDA ALVERSON	2011	Oxbow, ME 04764
PHILIP AHRENS	2016	Yarmouth, ME 04096
BARRIE BRUSILA	2012	Warren, ME 04864
ROB BRYAN	2012	Harpswell, ME 04079
DAVE CLEMENT	2012	Cornville, ME 04976
ROY FARNSWORTH	2016	Auburn, ME 04210
ALLISON KANOTI	2016	Somerville, ME 04348
LAUSTSEN, KEN	2017	Augusta, ME 04333-0022
GORDON MOTT	2017	Lakeville, ME 04487
BOB SEYMOUR	2017	Orono, ME 04469-5755
CRAIG TROEGER	2017	Van Buren, ME 04785
CARL VAN HUSEN	2017	Madison, ME 04950
AARON WEISKITTEL	2017	Orono, ME 04469-5793
JOE WILEY	2012	Dresden, ME 04342
JEREMY WILSON	2016	Orono, ME 04469

Baxter State Park's Mission:



The Deeds of Trust direct us to provide six primary functions. Together, these six elements form Baxter State Park's Mission:

1. Protect the Park's Natural Resources
2. Provide Recreational Opportunities
3. Provide Exemplary Forest Management
4. Protect Park Property
5. Provide Public Safety
6. Protect the Park's Fiscal Resources