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Baxter State Park Annual Operating Report For the Year 2018

To the Baxter State Park Authority

June 2019



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DIRECTOR'S SUMMARY

Administration

While we welcomed Judy Camuso and Aaron Frey in their respective roles as Commissioner of Inland Fisheries and Wildlife and Maine's Attorney General in 2018, we must also say goodbye to Governor Janet Mills and outgoing Commissioner Chandler Woodcock. The Baxter State Park Authority, comprised of Attorney General Janet Mills, Director of the Maine Forest Service Doug Denico, and Commissioner of Inland Fisheries and Wildlife Chandler Woodcock since 2012, accomplished many important initiatives, including the Trautmann Trail Improvement Initiative, addressing increased AT use, adding solar power to the Togue Pond Gatehouse, establishing a replacement process for infrastructure in the Park, as well as many other actions that will benefit the Park into the future. Among their less remarkable achievements, they hired me, Eben Sypitkowski, as Director to replace Jensen Bissell as Director in June 2018. Their faith in me is inspiring and their support of the Park is exemplary. A few pieces of their wisdom from the fall Authority meeting at Kidney Pond:

- ★ “I do not presume to know where we will find ourselves a year from now this time of year, but I can say that serving on the Authority, a role that comes with the job, is a great pleasure, and serving with two individuals of political persuasions different from mine has been an honor. While we have enjoyed exploring the Park, and while we have broken bread together, cooking fiddleheads, deep-fried potatoes and partridge, waking to the smell of fresh coffee on Charlie Woodcock's porch, what we have shared more deeply is the trust embodied in the deeds of Governor Baxter to preserve this precious acreage in the middle of our wonderful state - forever natural, forever wild. I believe we have been true to that mission, and I hope the spirit of Governor Baxter is proud of his three faithful servants, Doug, Chan, and Janet. Lord knows we have tried. Thank you all.”
-Former Authority member, now Governor Janet Mills
- ★ I would offer that each Authority comes to the task with its own perspective and this Authority has held true to Governor Baxter's desires in what has been ever changing times in society and for us. I want to express my gratitude to former Attorney General Bill Schneider who was with us for a while. And I want to thank Jensen Bissell. He watched Charley's trip up the mountain with an eagle eye. I want to thank the former and current staff of BSP, and thank you to Janet and Doug, unique individuals, and the conversations around the campfire. To hear them talk about the Park and their lives was a real honor for me. I wish Eben and the staff the very best as they exercise their judgment. This is a unique jewel and I wish you the very best. I've always been a country boy, raised in rural Maine, and we deeply appreciate the blessings of living in the country. Thank you for your patience, your loyalty, your spirit of team, your sense of purpose and your dedication to BSP. It's because of you that this Park retains its unique qualities. So the gloaming is eventually followed by the dawn, and that dawn is always filled with the promise of the coming day, so I look forward to the dawn and what it holds for Charley and me and my family. It's been a real honor, God bless you all.”
-Former Authority member Chandler Woodcock
- ★ “You won't get a sense of Baxter by riding the Perimeter Road. It's very important to get a view from of the Park from the air. I'm not fixated on the mountain itself - I like the Wassataquoik Valley - its

ecology and formations. It won me over. It's got five ways in and only one way out. It's like going back to Maine 200 years ago - very unique."

-Chair Doug Denico

Each of them has brought their particular experience to bear on issues that concerned or threatened this place, and their love has been as tender as their fight fierce. Thanks to their strong spines we made great strides dealing with issues from new communication channels with AT folks to setting camp groups in better order than they were in the past. Nothing gave me greater peace of mind in the first few months in my role as Director as their firm statement that as long as you're defending the Deeds and the wilderness aspect of this Park we've got your back. So, on behalf of the Park, present and future, please accept our humble thanks for your service. You've done Governor Baxter proud.

This was a year of limbo, of considerable uncertainty. For six months the administrative team ran the Park as best we could, especially with two members in acting capacity roles. After the Authority hired me we were able to fill in the gaps in our leadership; we hired Marc Edwards as Naturalist in September, Don Bolduc as Chief Ranger in October, and Mike Pouch (pronounced "punch") as Resource Manager in December. With the administrative team assembled we waded into uncertainty about who the new Authority members might be. We look forward to having veteran Authority chair Doug Denico to help orient the new Commissioner of IF&W Judy Camuso and the new AG Aaron Frey to their new roles on the Baxter State Park Authority.

This was also the last year for several long-time Park employees in other roles, and as we try to fill those seasonal roles we have more turnover than in recent years. No doubt this has been a time of change. What this has made clear to me is that we need stronger structures within the organization to capture some of the institutional knowledge that we have relied on individuals to carry through the years. Slowly, over more than a decade, we've been working on professionalizing and standardizing our practices - writing those policies that have gone unwritten, re-examining those that we have abandoned. This change and uncertainty has brought this to a higher priority level. It is clear that we have great people on staff to lead these changes and share their institutional knowledge. Indeed, our collective resilience is clear from the fairly smooth operation of the Park in this last year. My sincere gratitude goes out to the entire staff for their stoicism in weathering these storms.

This Park is a place of respite from the pings and dings of the global, digital world that is always vying for our attention. This is a place of quiet, of calm reflection, a place where each of us can direct our attention as we see fit. We can allow ourselves the nurturing connection with nature, and by extension, connection with ourselves. The meaning of this gift to the people of the state of Maine and the world changes over time as our society does; "forest bathing" wasn't a thing for Governor Baxter, but it is something we have now come to need.

Advisory Committees

The BSP Advisory Committee continued its long service to Baxter State Park in 2018. There were no changes to the membership of the committee in order to allow the committee to provide continuity in the transition to a new Director in 2018. The Committee met many times during 2018, including in Park volunteering May 6 (Roadside Litter Pick-Up) and September 25 (to consider the replacement of the Roaring Brook footbridge and the Dudley re-route). Meeting agendas and minutes are available for viewing [on the Park website](#). This committee provides a great service to the Park in providing active and honest feedback from the perspective of Park visitors on developing Park policies and programs. Some of the issues they considered this year include

a provision to allow hunting dogs north of Trout Brook, the details of a commercial use program, and the media permit policy.

The BSP Research Committee. that assists the Park in reviewing and consideration the potential benefits and impacts of proposed research in the Park, met on [April 19th in Augusta](#). For the past two years, the meeting was led by acting Park Naturalist Steve Dunham. Following the meeting, a number of research projects were conducted successfully in the Park this year, all administered successfully by Steve Dunham. In September, Marc Edwards came on as Naturalist and assumed responsibility for the Park's research program.

The BSP Investment Committee continued its critical function of providing an expert liaison between the Baxter State Park Authority and the managers of the Baxter Endowment, Bank of New York - Mellon. The committee, led most capably by Brian Noyes, changed membership slightly in 2018. Erin Piper stepped down after many years of service, and Jim Bennett of Maine PERS joined the conversation.

The Scientific Forest Management Area Advisory Committee also continued to provide excellent advice and guidance in the complex task of conducting exemplary long-term forest management in the SFMA. Due to my transition from Resource Manager to Director, the SFMA advisory met only once in the spring, and did not convene for a fall tour as current Resource Manager Mike Pouch had not yet been hired. Sarah Medina of Seven Islands joined the conversation and will no doubt contribute greatly in the coming years.

Our sincere thanks to these volunteer advisors who give their time, attention, and careful consideration to the concerns of this wilderness Park. Their expertise and input add such richness to our work stewarding these resources, and the community that develops out of our collective love for this Park is uplifting.

AT Management

2018 was year three of the Hiker Permit system that requires AT Hikers to acquire a Permit Card prior to completing the hike. Permit Cards are free. In 2017, after a careful examination of the 25 year trends in AT hiker use in the Park, a limit of 3,150 was set on the number of cards available. The requirement was also codified within the Park Rules and Regulations. When/if the number of permit cards was exhausted, the Long-Distance Hiker Shelter closes, as well as all AT Hiker registration and assistance activities at Katahdin Stream Campground. AT Hikers would still be able to complete their hike, but access to the Hunt Trail trailhead at Katahdin Stream would fall under the same limited use policies and procedures by which all other resident and non-resident day visitors and campers comply. In 2017, slightly over 3,000 AT Hiker Permit Cards were issued. This year, the number was slightly below 3000, so as yet we have not approached the 3150 limit.

The effective and positive communication and cooperation of the ATC's Monson Visitor Center was an important component in the communication effort. The work accomplished by the Park in recent years to engage the ATC in open and earnest conversation about the concerns of our different use models has been effective. The work of the Friends of Baxter Park to organize a more continuing group discussion about AT issues in and near the Park, and to provide funding and effort toward effective outreach, has also been very helpful. It is important that the Park continue the current issue into the future.

Information Technology Changes

This year we successfully moved away from the State's Office of Information Technology and employed Otelco to string up a fiber line from the Three Ring Binder that runs across Central St.

We began working with SJ Rollins of Bangor to help us deploy this new, faster internet line (100mbps/100mbps as opposed to the 25/25 we had through OIT) to give us faster, more reliable internet service on the HQ campus. This enabled us to switch to a voice-over internet protocol phone system which should make call handling and phone messages simpler, as well as give us access to data on our phone usage. SJ Rollins is now providing most of our IT services, and Starfruit Solutions is still helping us with a major revision to the reservations system, due out sometime in March 2019.

Safety

In partial response to some of the issues raised during our voluntary SafetyWorks safety audit in 2017, we reconvened the Park's Safety Committee and [refreshed its mission](#). Furthermore, an effort to harness the organizational power of SMART goals as brought to us by MEMIC has driven the year round staff to begin development of parkwide safety SMART goals designed to help us keep our operational safety top of mind.

The year saw [fewer employee reported injuries](#) than in the last few years, and only one incident that resulted in a workers compensation claim. We hope this minimal injury rate continues or runs to zero, and believe that our proactive approach to converse more about safety will bring this about.

Trail Relocations

Hiking Trail maintenance is one of the most important activities in which the Park engages. Hiking trails are the heart of the Park and provide the backbone of visitor experience here. The Baxter Park Wilderness Fund, established by Frank Trautmann, now provides enough additional perpetual income to the Park that we could establish the Trautmann Trail Improvement Initiative. This initiative has organized Park trail maintenance planning that includes a continuous plan for the relocation of heavily eroded and difficult to maintain trail sections. Often, but not always, these sections are fall line trails on steep slopes or long trail sections through boggy areas that require extensive bog bridging. The relocation of these trails to more manageable slope designs and higher and drier areas will reduce maintenance and improve the experience of hikers for generations. We are incorporating new tools, like the 1 meter resolution digital elevation model now available for much of the state, to better inform these trail relocations.

Relocation work also progressed on the Dudley re-route. This trail, closed in 2016 after an avalanche removed a portion of the trail at the junction with the Pamola Caves access trail, required a major relocation of about 1 mile in difficult terrain. Crews worked out of Chimney Pond. This effort will likely require 2 more seasons of work to complete.

Trail Specialists Rebekah Morrisson and Liz Thibault are to be commended for their work on active and planned relocations in the Park in 2018, as well as their efforts to further organize and professionalize our maintenance efforts.

Infrastructure

Infrastructure work will be discussed in more detail in the Maintenance Supervisors section of this report; major efforts included the expansion of office space on the shop garage at HQ, a new garage for Daicey Pond located next to the old garage, as well as renovations thrust upon us by nature at the Chimney Pond Ranger Station. That building flooded sometime between April and late May, causing the floor to buckle and mold to proliferate in the cabinets and walls. Thanks to the efforts of the ranger staff, a new floor and knee walls provide a much cleaner look to the place,

and our campground rangers were only displaced from their quarters for about a month before moving back into the building. We wish to express gratitude to the ME Army National Guard and the Maine Forest Service for their help and expertise flying many of these new materials into Chimney Pond, and flying out much of the construction debris.

In addition, significant work was completed on a comprehensive evaluation of all the rental cabins at Kidney Pond and Daicey Pond Campgrounds as part of a planning process for future work and budgeting to maintain these maintenance-heavy facilities in Baxter State Park. This work was done by the formidable team of Maintenance Supervisor Steve Bouchard and Park Ranger and Kidney Pond Supervisor David Loomer. The process will now extend to all buildings in the Park, from which the Maintenance Supervisor will form a priority list of projects and a multi-year plan to bring all of our structures up to a standard. This effort is also designed to feed our long term budgeting process.

This is one of a number of efforts to develop plans in order to be more proactive about the maintenance of structures in our maintenance team's pack basket. We hope to employ a multi-year planning approach to organize any efforts that may be involved in restoring the cabins at Katahdin Lake as well, as it seems likely that those camps will become part of the Park sometime in the next 10 years. Towards that end, we employed Day's Welding of Medway to assess what those camps might need to bring them up to a standard.

OPERATIONAL HIGHLIGHTS & OVERVIEW

Chief Ranger Overview

Baxter State Park's Operational Staff is comprised of Rangers, Maintenance Personnel, Trail Specialists and contracted services.

Chief Ranger Donald Bolduc who joined BSP in 2018, Senior Field Supervisor Michael Martin, Enforcement Rangers Robert Tice and Michael Winslow, Supervisor Bruce White, Ranger Supervisors Russell Porter and David Loomer as well as four Backcountry Seasonal Rangers, two Seasonal Roving Rangers, and 15 Seasonal front Country Campground Rangers comprise the Ranger staff in 2018.

Maintenance Personnel include Supervisor of Maintenance and Transportation Stephen Bouchard, Auto Mechanic II Frank George, Carpenter Craig Kennedy, and Mechanic Matthew Martin.

Trails staff include Trails Specialists Liz Thibault and Rebecca Morrison along with several trail contracted crew members from the Maine Conservation Corps.

Essentially, Park Operations consists of 39 summer seasonal and 21 year-round employees during the busy summer season. We then shrink to two seasonal and 21 year-round personnel in the winter. This team tackles day to day operations, emergencies, special projects, general park and trail maintenance, public relations and safety, as well as provide the resources necessary to ensure the preservation and protection of Baxter State Park.

The winter of 2017-2018 saw an early return to more winter-like conditions than the previous year. Rangers were able to establish and maintain snowmobile trails to haul supplies and equipment into remote locations.

2018 Maintenance Report

Annual maintenance throughout the park was completed as well as several major construction and renovation projects.

Routine maintenance included roof replacement and shingling, staining, construction of 30 picnic tables and 20 saw horses, rebuilding campsite retaining walls, replacement of outhouse vault covers, solar upgrades, spreading of 41 loads of gravel on park roadways, numerous posts, signs, and flag pole replacements, boundary line work, bog bridge replacement, and several light carpentry projects.

On May 23, 2018, BSP staff hiked to Chimney Pond to check trail conditions and to give the new Chimney Pond Ranger a look at her duty station. Inside the Ranger cabin, the back door was pushed in, a water line (16+ inches up the wall) was left on the interior walls. Pots and pans inside cabinets were full of water. Thus began a two-plus month project to remove and replace old wet sheetrock, paneling, insulation, and moldy furniture. Several helicopter loads of debris



were removed and new supplies brought in. The campground rangers were able to move into the ranger station in early August. Many thanks to ME Army National Guard and Park staff who helped make this possible.

Major construction included a new garage and workshop at Daicey Pond following a new Facilities Review Process that was created whereby priorities for maintenance, replacement or removal of lean-tos, outhouses, rental facilities, ranger cabins and sheds is decided around standards applied consistently across the Park. This starts with a values matrix developed to allow for evaluation of the roof, framing and structure, footings and sills, windows, utilities, and interior issues, and will serve to support a Parkwide planning effort to achieve explicit building standards in a scheduled timeframe. Guiding principles include interpretation of relevant deeds, current and future needs, cost, and environmental and recreational impact.



New Daicey Pond Garage

New Lean-tos were constructed at Katahdin Stream, Chimney Pond, and upper South Branch Pond



as well as a picnic table shelter at Nesowadnehunk.



Lean to at South Branch

The last major project was the addition of an Office to Maintenance Garage in Millinocket.



Garage Office addition

Equipment Purchases

One five-yard dump truck was purchased along with two Law Enforcement trucks (equipped with more state-of-the-art law enforcement features), one Campground truck, one 900 Ski-Doo snowmobile along with one Rescue Boggan.

Training

Baxter State Park continues to offer a wide variety of training for its employees. The following list in no way reflects all of the training completed, nor does it imply that all staff participated in the training listed. It is a sampling of the training offered to strengthen targeted skill needs for staff who perform various roles for BSP.

- Emergency Action
- Hazard Communication
- Evacuation / Fire Drill
- Fire Extinguisher
- Ladder
- Lockout / Tag out
- PPE / Bloodborne Hazards
- Domestic Violence
- Harassment in the Workplace
- CPR / AED
- Wilderness First Aid
- Wilderness Advanced First Aid
- Wilderness First Responder
- Snowmobile Operation and Field Repair
- Mountain Weather given by Caribou National Weather Service staff
- Maine Forest Service Fire Truck/Tanker training
- Maine Forest Service Short Haul training
- Maine Army National Guard Blackhawk and Lakota training
- inReach Spot GPS training
- Intro to Search and Rescue training
- Maine Forest Service Forest Intro to Fire Suppression training
- MEMIC sponsored chainsaw training
- Crisis Intervention Team training (2017)
- Power tool training
- Appalachian Trail training and visit to Monson AT Visitor Center etc..
- Reservation system training
- Video Display Terminal

Search and Rescue

We completed 41 rescues in 2018. Three of the rescues involved air support which came from the Maine Forest Service. The most common occurrences was exhaustion, that sometimes included dehydration and malnourishment. A close second was lower extremity injuries. Many of the injuries were caused by overexertion, improper preparation or falling. Although the vast majority of these incidents occurred on Katahdin a few of the injuries were at South Branch Pond, Double Top, and near Daicey Pond.

The 34 medical reportable injuries involving rescue consisted of five head injuries, five hand/wrist injuries, seven complaints of heat exhaustion and fatigue, four sprained ankles, four knee injuries, three foot injuries, three panic attacks, one heart issue, one back injury and one hypothermia issue.

Law Enforcement

There were 58 recorded law enforcement cases and 11 reportable motor vehicle accidents in 2018 as compared to 27 LE cases and 7 reportable MV accidents in 2017.

Forty summonses were issued in 2018 along with 36 written warnings and some educational verbal warnings. The infractions included possession of a firearm, operating under the influence, speeding, littering, illegal camping, operating unregistered snowmobile, operating a motor vehicle on snowsled trail, civil trespass, pets, oversized group, drones prohibited, unauthorized camping, exceeding capacity, parking in closed areas, hiking closed trail, camping without reservations, child under 6 above treeline, loud after quiet hours, and tents prohibited outside lean-to area.

Law enforcement staff completed additional annual mandatory recertification training that included New Law / Case Law updates, Firearms, Death Investigations, responding to Mental Health crisis and policing the teen brain and elective Law Enforcement training.

Special Events

Ranger staff represented Baxter State Park at the Law Enforcement Memorial Ceremony in Augusta on May 17th.

Active and retired staff also joined members of the Heath family to honor Ralph and his supreme sacrifice in attempting to save the life of another at the Ralph Heath Memorial Service on May 19th at the cemetery in Sherman Mills.



On Saturday May 25th, Enforcement Ranger Mike Winslow along with Maine State Police escorted The Patriot Riders convoy to New England Outdoor Center for The Summit Projects annual hike of the Owl. The Patriot Riders were transporting memorial stones of post 9/11 fallen soldiers. During the convoy through town Ranger Winslow was fortunate enough to have Gold Star family members Martha and Ray Goyet and the memorial stone of their son Mark ride with him.

Once at New England Outdoor Center Ranger Winslow gave a briefing to hikers of the three 12-person teams that would be summiting the Owl the next morning. Topics such as weather forecast, trail conditions, group educate, and brief park history were covered.

On the morning of Sunday May 26th, Ranger Winslow was at Katahdin Stream campground to see all three teams off for their hike to the summit of The Owl. All team members were able to reach the summit that day and share stories and memories of the soldier that each stone represented. After the hike all memorial stones were presented to the appropriate Gold Star Family members in a ceremony at New England Outdoor Center.

Supervisor Bruce White reported AT hikers registration at Katahdin Stream totaled 2,741.

On September 1st, 2018 Katahdin Stream Campground was host to the Katahdin 100 (K-100). This year 70+ participants and support crews from the Penobscot Nation ran, walked, bicycled or paddled their way from Old Town, Maine to Katahdin Stream. Over the next two days ceremonies were held. Ranger Nick MacPherson participated in the ceremonies at Katahdin Stream. The K-100 is a Wabanaki Event which has been held for over 35 years on Labor Day Weekend at Katahdin Stream Campground. Due to the very busy holiday weekend, day hiking is still allowed at Katahdin Stream with reduced numbers of hikers and Appalachian Trail folks are asked to try to avoid the area until Monday morning.

Trail Department 2018 Updates

Throughout the 2018 season, Liz Thibault and Rebekah Morrison held the reigns and oversaw the trail development and maintenance program. Rebekah Morrison left shortly after the last day of 2018. The trail department moved under the auspices SFMA division of BSP in December.

BSP had an extremely successful trail season thanks to the following organizations and individuals:

- Maine Conservation Corps
- Baxter Youth Conservation Corps
- Maine Appalachian Trail Club
- MATC Maintainers
- Appalachian Mountain Club
- Overland Summers
- Adopt-A-Trail Members



The **Maine Conservation Corps** was able to provide the Park with seven crews in the 2018 trail season. Crew members completed parkwide blowdowns, installed new bog bridges, placed stepping stones and continued efforts on the Dudley and Hunt Reroutes. Crews were in Baxter May through October for a total of 72 weeks of service.



Grassy Pond Trail



Hunt Reroute



Dudley Reroute

The **Baxter Youth Conservation Corps** returned for a second year in 2018 and supplied the Park with a South and North end crew. This program continues to be sponsored by the Friends of Baxter, and provides job training and service learning opportunities for high school students in the Katahdin Region. Each 10 person crew worked two weeks to install new bog bridging, place stepping stones and corridor/blaze trails throughout BSP.



Abol Stream Trail



Blueberry Ledges Trail

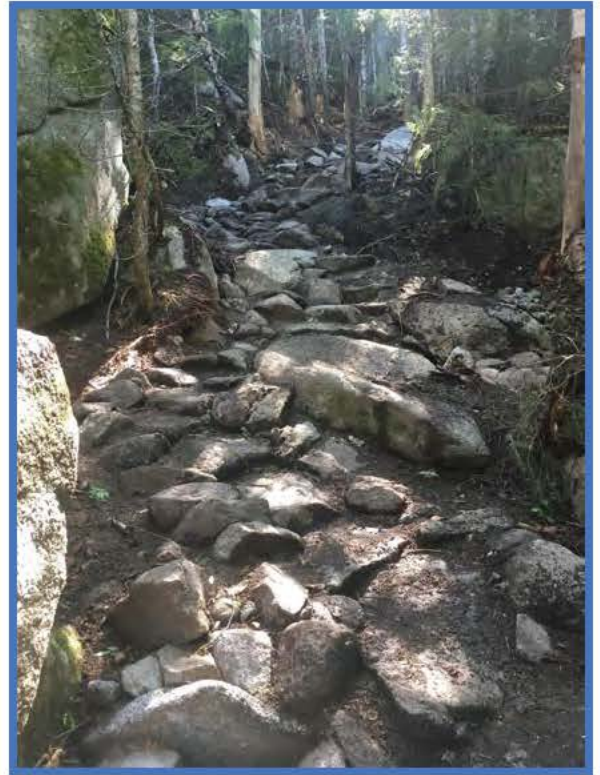


Mt. Chase Nature Trail

The **Maine Appalachian Trail Club** came to the Park for three weeks in May to lend a hand on the Hunt Reroute. A six person crew was able to complete a 25 step staircase on the upper portion of the reroute. The crew also cleared stumps from the tread and help harden areas prone to erosion.

The **MATC Maintainers** had a trip in early spring as well as one in the fall to help with corridor definition and blazing on portions of the AT within the Parks boundaries. These 12 volunteers provided over 150 hours of service time for the 2018 trail season!

The **Appalachian Mountain Club** volunteered a week at BSP. A six person team spike camped off of the Wassataquoik Stream Trail and installed 50 new bog bridges in record time. The addition of these bog bridges will provide a dryer hiking experience for hikes and protect the natural resources in these swampy areas.



Wassataquoik Stream Trail

Overland Summers is a camp that provides kids with an opportunity to hike in the great outdoors while also learning the value of giving back. This group had three trips to the Park in 2018 and managed to put in 108 hours of volunteer work on the trails. These 12 cleared corridor and blazed the Kidney Pond Trail, Pond Trail and Jackson Pond Trail.



groups of
Celia

Baxter State Parks **Adopt-A-Trail** folks finished their second year of commitment in 2018. Eight out of the 10 Adopters returned to maintain corridor and blazing, repair cairns and clean out waterbars. Collectively they maintained 27.9 miles of trail and volunteered 206.5 hours. Several Adopters have



already signed up for the 2019-2020 program and BSP is thrilled to have them return!

Mount Chase Nature Trail

Baxter State Park welcomed a new trail to its network in the summer of 2018. The Mount Chase Nature Trail is located on BSP owned land off of the Owlsboro Road in Mount Chase, Maine. The planning process for this trail began in 2017 and was a dual effort between the Trail Specialists and Forester. The Maine Conservation Corps and Baxter Youth Conservation Corps worked collaboratively to get the 2.6 mile trail cleared and blazed. Interpretive signs are set to be installed in 2019!

2018 Trail Season Stats

<u>Task</u>	<u>Summer</u>	<u>Fall</u>	<u>Total</u>
Blowdown (miles)	162.15		162.15 miles
Corridor Definition (miles)	39.9	38.5	78.4 miles
Stone Steps	82	88	170
Crib Steps	18	9	27
Stepping Stones	111	133	244
New Waterbars Installed		4	4
Bog Bridging Installed (feet)	491	132	623 feet
Blazing (miles)	21.2	14.9	36.1 miles
Retaining Wall Constructed	4	2	6 (70 feet)
Riprap/Armoring Structure (feet)	75		75 feet
New Trail Cleared (miles)	2.6		2.6 miles
New Sign Installed (#)		1	1
New Signpost Installed (#)		1	1
Trail Resurfacing		1,550 feet	1,550 ft

INFORMATION & EDUCATION DIVISION

*BSP Naturalist - **Marc Edwards***

*BSP Interim Naturalist - **Stephen Dunham***

*BSP Interpretive Specialist - **Marc Edwards***

*BSP Visitor Center Representatives - **Brian Johnston and Kathy Winslow***

*2018 Wilderness Educators - **Miranda Norlin, Mara Chamlee, Hyla Howe***

*2018 A.T. Steward - **Jonathan Schmidt***

2018 Summary

2018 proved to be another year of staff changes for the I&E division. In January Marc Edwards joined the I&E team as Interpretive Specialist. Stephen Dunham remained Interim Park Naturalist through August. In September Marc Edwards replaced Stephen Dunham as Park Naturalist, leaving the Interpretive Specialist position vacant for the rest of the year. Marc Edwards has managed a state park in Vermont for two years, and has worked as an interpretive ranger in the National Park Service as well as the National Forest Service. He holds a Master's Degree in Parks, Recreation, and Tourism from the University of Maine and is a Certified Interpretive Trainer through the National Association for Interpretation.

This year we hired three Wilderness Educators for the season, beginning mid-May and ending mid-October. Many Park staff and visitors complimented their passion and professionalism throughout the season. It was another successful season of mountain patrols, children's programs, and evening programs.

Summer Evening Programs

Our Wilderness Educators developed three evening campground programs: Birds of BSP, Reading the Rocks, and This Magnificent Obsession. They delivered a total of thirteen evening programs on most Thursday and Friday evenings. A former Wilderness Educator and current Campground Ranger Tori Gray added to our capacity and delivered an additional six evening programs (The Blgfoot Challenge!) for a total of nineteen evening programs throughout the season. We reached a total of 183 visitors through our evening campground programs. We thank Tori very much for delivering interpretive programming at her campground!

Family Programs

The Wilderness Educators developed two family programs: Frogs, Fishes, and Flies (pond ecology), and Birding for Families. They delivered a total of ten programs (8 pond ecology and 2 birding) on Saturday mornings and reached a total of 63 visitors. We delivered two pond ecology programs at South Branch Pond this year and decided that we should deliver more programming at the north end of the park.

Walks with a Ranger

New this year, the Wilderness Educators offered interpretive walks on Sunday mornings and afternoons. They delivered eleven such walks, reaching 42 visitors. This may be a growth area for future interpretive programming. These walks focused on the trees and plants of the park.

Library Programs

Wilderness Educators offered after school programs at the library with minimal attendance, mostly due to the timing and the beginning of middle school field hockey season. Perhaps future programs can be 'in-school' activities coordinated with local schools.

The Wilderness Educators did have success with evening programs at the library geared for general audiences. We hope to build on this next year.

Park Outreach

I&E Staff delivered nine outreach interpretive programs for a variety of groups, from College of the Atlantic volunteers to LL Bean Outdoor Discovery School groups. Through these programs we reached 96 visitors.

Roving Interpretation

The Wilderness Educators provided roving interpretation on the parks many trails and delivered trailhead talks at Katahdin trailheads at Abol and Katahdin Stream Campgrounds. They interpreted the park's natural history for inquisitive visitors they encountered on trails while also promoting Leave No Trace principles. Early morning trailhead talks focused on safety as well as Leave No Trace principles for visitors about to embark on their Katahdin hike.

Jon Schmidt, the AT steward began his patrols of the Appalachian Trail on July 2nd and continued until October 21st. Jon played a crucial role in educating AT hikers and other visitors about the Park and our policies. His frequent patrols of the AT and adjacent trails ensured that any maintenance issues were quickly dealt with, and that hikers on those trails were aware of potential problem areas.

Mountain Patrol (Alpine Stewardship)

Our three Wilderness Educators were in a normal rotation of one week on and two weeks off, allowing each a two week rest period between the physically demanding job duties of Mountain Patrol. Their role on Katahdin not only assisted hikers in need of aid and/or information, it also ensured that the fragile resources of the mountain were protected.

Similar to prior seasons, each Wilderness Educator would assist the Chimney Pond ranger to provide morning safety and educational talks at the trail register before beginning their hike. This allows the Chimney Pond ranger to focus on incoming radio messages and reservation issues while hikers continue to be greeted and have their questions answered. By mid-morning, the Wilderness Educator will gear up with a park-issued radio and first aid kit, as well as their food and supplies to begin Mountain Patrol for the day.

In addition to answering visitor questions, Wilderness Educators recorded notes at five plant stations and their observations from the numbers of hikers visible from various points during their patrol. This is in partnership with the Northeast Alpine Flower Watch program initiated by the Appalachian Mountain Club. They also spent one hour observing the behavior of Park visitors at the summit during one randomly selected time on each patrol. These new Summit Behavior Surveys include five counts (one every 15 minutes) of the number of people visible on the summit. This information is shared with the Alpine Stewardship Activities in the Northeast project based out of SUNY-ESF.

Wildnotes

The 2018 edition of Wildnotes will be the last in its newspaper format. Wildnotes will be slimmed down for 2019.

Invasive Species

Purple Loosestrife

Purple loosestrife (*Lythrum salicaria*) is an invasive species found in many states, including Maine.



In recent years, this plant has been found near the boundary of Baxter State Park at Nesowadnehunk Lake Dam and Caribou Pit. Based upon locations it has already invaded, this plant has the potential to be found in other high-use areas of the Park, including Matagamon Lake Landing. Purple loosestrife is found in wetland ecosystems and is a threat to native species, including cattails and sedges.

Although there are different methods for controlling the invasion of Purple loosestrife, we pulled the plants and its roots at Nesowadnehunk Lake Dam and Caribou Pit in 2018.

Glossy Buckthorn

Glossy Buckthorn (*Frangula alnus*)

Bristly Locust

Bristly locust (*Robinia hispida*) is an invasive shrub often used for erosion control or as an ornamental due to its pink flowers. It thrives in sandy soils, and due to the nitrogen fixing symbionts that live on its root system, it can alter soil chemistry and thrive in places native plants cannot. The seeds of this plant can last remain viable for up to 10 years. It often forms dense thickets and has a vigorous root system that makes controlling this plant difficult. It is found mostly along highways in Maine but can be found on part of Togue Beach and at Mountain View. Bristly locust was likely introduced to control erosion in both areas as it has been used extensively for that purpose throughout the state.

Past efforts to remove this plant included pulling and cutting, but these methods often do not remove enough of the root system to fully eradicate the plant. In fact, many smaller shoots were attached to large diameter roots that spanned large distances between plants. Eradication efforts were undertaken in 2017 and areas were monitored in 2018.

Visitor Center

The Park's Visitor Center served 19,825 visitors total in 2017. Although this is over 3,000 visitors short of the previous year, part of the difference may be due to staffing related closures that occurred in September and October. The efforts of Visitor Center Staff provided assistance to visitors and protection to Park resources. Maps continue to be the most frequently sold resource at the Visitor Center with patches being a close second. In total, nearly \$11,000 in sales (gross) were recorded this year.

Thank you to Brian Johnston, Kathy Winslow for another successful year of sharing your knowledge with Park visitors. Thank you also to Elise Panzner, Bill Martel, Danielle Woodsworth, Emmy Rioux, Elise Goplerud, Tori Gray, and Steve Dunham for picking up shifts in order to keep the number mid-season closures to a minimum.

Outside Research and Monitoring

The following research and monitoring activities were undertaken by outside parties in 2017:

Earthscope Magnetotelluric Study of Eastern North America

Principal Investigator: Dr. Louise Pellerin of Green Geophysics Inc., under contract with Oregon State University.

On June 19th a field crew installed a magnetotelluric instrument that consisted of two 100m electrodes laid out on the forest floor in a cross pattern and connected to buried magnetometer. A pelican case containing a battery and receiver unit was also placed on the ground. This equipment was deployed along the eastern boundary of the Park near Katahdin Lake. This location was part of a larger grid that covers the northeastern United States. The devices deployed at locations along this array measure the natural magnetic and electric fields of the earth and allow researchers to study the structure of the earth's crust to better understand its structure and how it was formed over time. The device remained in place until July 10th when it was removed. No sign of the device's presence were found after removal.

Developing Large-scale Optimal Monitoring Protocols for Mesocarnivores

Principal Investigator: Dr. Alessio Mortelliti of the University of Maine

On August 24th-28th a field crew installed 10 camera "trap" arrays to capture images of carnivores. This is part of a larger, state-wide, study that will use repeated deployments to create records of detections that can be used in occupancy analyses to generate statewide population trends that are independent of harvest effort and reporting. This project is focused primarily on American marten and fisher, but will analyze any carnivore species that had sufficient detections. The crew returned during August 14th-16th to remove the traps. The crew plans to return during the winter.

Detecting Northern Bog Lemming Using DNA from Small Mammal Fecal Pellets

Principal Investigators: Dr. Zach Olson of the University of New England and Cory Mosby of the Maine Dept. of Inland Fisheries and Wildlife.

On August 16th-17th, a field crew from Maine IF&W searched for lemming fecal pellets at historic locations of the Northern Bog Lemming near Nesowadnehunk Field. They later returned on August 21st-24th to search at several locations on Katahdin. The goal of this work is to determine the presence of the state threatened northern bog lemming without utilizing effort-intensive trapping that could result in mortality events.

Perceived Crowding, Preferences for Social and Resource Conditions, and Behavioral Choices of Visitors to Baxter State Park, Maine.

Principal Investigator: Dr. John Daigle of the University of Maine

On July 28-30, August 14-17, August 24-27, September 11-14, September 21-24, and October 9-12+15, a graduate student from the University of Maine interviewed hikers as they returned to Katahdin Stream from their ascent on Katahdin. The goal of this research was to collect information from hikers regarding their perception of crowding at the summit and on trails, their preferences for the social and natural resource conditions of the trails, and the behavioral choices they make during a hike. This information can then be used to assess current management practices.

Pathogen Screening and Abundance of Winter Ticks in Maine and How Risk Perception of Tick-Borne Disease (TBD) Compares to the Actual Risk

Principal Investigator: Dr. Sandra De Urioste-Stone of the University of Maine

A graduate student attempted to collect winter tick larvae on October 8th-9th but was unsuccessful due to poor weather conditions (rain). The goal of this study is to determine if there is a risk of winter ticks transmitting diseases to Moose and to estimate the density of the winter tick population. This is part of a larger study that is also looking at how people currently perceive the risk of disease transmission from winter ticks.

Water Quality Sampling

Principal Investigator: Jeremy Deeds of Maine Department of Environmental Protection.

Two members of Maine DEP investigated the water quality of Kidney Pond, Daicey Pond, and Draper Pond on September 20th. Water quality data for these bodies of water has not been collected in many years and this visit was prompted by a report to DEP of abnormal algae in Daicey Pond. The team found no evidence of any abnormal algae.

Mountain Birdwatch

Volunteer birders once again surveyed Katahdin for high elevation bird species as part of the Mountain Birdwatch Program which is run by the Vermont Center for Ecostudies. Although the program and protocols have changed overtime this effort has been made for 18 years. More information and data are available [HERE](#).

Seasonal Staff

Hyla Howe: Wilderness Educator



Originally from Lancaster, Pennsylvania, Hyla spent the past four years going to school in the Adirondack Mountains of Upstate New York. She graduates in May from Paul Smith's College with a B.S. in Biology. While in college, she spent her weekends camping, hiking, and wandering in the woods. During her time off she likes to travel and bike tour. She loves to learn about the natural world and share that passion with others.

Mara Chamlee: Wilderness Educator



Mara is a South Carolina native from the Greenville area. She is currently attending Furman University and will graduate soon with a B.S. in Biology. During her time at university she has spent several months studying in New Mexico, Costa Rica, and South Africa. She is very excited to broaden her horizons beyond upstate SC and live in new places, with Maine being the first new adventure! She enjoys

backpacking, kayaking, triathlons, and spending time outdoors. After the Wilderness Education Internship, she plans to thru-hike the Appalachian Trail before pursuing a Master's degree in Human Dimensions of Natural Resources.

Miranda Norlin: Wilderness Educator

Miranda graduated from Brown University with a degree in Biology and has since worked domesticating musk oxen on a farm in Alaska and in the Mojave desert planting habitat for endangered species as a crew member with the Nevada Conservation Corps. She loves the process of getting to know new areas and ecosystems and is looking forward to exploring Baxter and sharing that experience with visitors.



Jonathan Schmidt: Appalachian Trail Steward

Jon Schmidt returned to Baxter State Park for his third season as the Appalachian Trail Steward. Prior to educating visitors along the Appalachian Trail, Jon worked for the Park for two seasons with the trail crew, first in 2010 as a Trail Crew Intern, and again in 2012 as a Trail Crew Leader. Jon has also occasionally served as a park volunteer. He has hiked and performed maintenance along many of the trails in the Park. Originally from North Dakota, he now lives in Bowdoin, Maine, with his wife and daughters.

Brian Johnston & Kathy Winslow: Visitor Center Customer Service Representatives



Brian Johnston returned for his eighteenth season at the Visitor Center, and he continued to provide exceptional advice and customer service to visitors of the Park. Brian's knowledge and experience from working in the Park for many years makes him a valuable member of the Information and Education Team. Kathy Winslow returned for her first full season at the Visitor Center. As a resident of Millinocket, Kathy is very familiar with the Park and all of its opportunities and proved to be an excellent addition to the Visitor Center.

I&E Season Highlights

Bat Monitoring Trial



Cory Mosby, the furbearer and small mammal biologist from Maine DIF&W loaned two automated acoustic recorders (Wildlife Acoustics Song Meter SM3BAT) to the Park. These devices are composed of a recording device, cable, and microphone, are programmed to listen passively from sunset to sunrise and if they detect a sound within the frequency range of a bat call, they will record that noise. Each recording is stored separately. At the end of the season the data can be downloaded, and each recording can be analyzed by comparing the sonogram of that sound to sonograms of known bat species. This process is done automatically with software.

The units we were given were deployed first at Trout Brook Farm and Nesowadnehunk Field. After a week we moved the units to Kidney Pond and the Visitor Center for a week. In total we recorded 3870 bat calls. The most frequently recorded species were little brown, big brown, and hoary bats. We also had recordings of red, silver-haired, northern long-eared, and tri-color bats. It is our hope to continue monitoring for bats in the future.

Adirondack Visit

The Adirondack Park in New York has been struggling with crowding and parking issues in recent years. Recently the problem became bad enough to instigate the organization of a meeting to discuss the problem and possible solutions. The town of Keene, NY as well as the neighboring High Peaks Area are the two places where the problem is the worst. The town manager of Keene reached out to invite representatives from Baxter State Park to attend. Resource Manager Eben Syptkowski and Interim Naturalist Steve Dunham visited the region from November 7-10. They had the opportunity to meet with representatives of the Adirondack Council, NY Department of Conservation, and the Adirondack Park Agency, as well as participate in a regional meeting to discuss the hiker traffic issue. Although our parks are quite different in many ways, the focus of the discussion centered on the similarities in our missions and on potential options for controlling overuse issues. It is our sincere hope to participate in, and perhaps one day facilitate, similar regional meetings among the various agencies in the northeast that manage wilderness areas.

Loon Count Data 2017

2017 LOON COUNT DATA					
LAKE/POND	ADULTS	CHICKS	PAIRS	ISOLATED	
Abol Pond	3	0	Not stated	Not stated	
Big Rocky Pond	2	1		1	0
Daicey Pond	0	0		0	0
Draper Pond	0	0		0	0
Elbow Pond	6	0	Not stated	Not stated	
Grassy Pond	1	0		0	1
Lily Pad Pond	0	0		0	0
Little Rocky Pond	0	0		0	0
Lost Pond	1	0		0	1
Lower South Branch Pond	0	0		0	0
Lower Togue Pond	2	0		1	0
Matagamon Lake	18	1		1	Not stated
Upper South Branch Pond	0	0		0	0
Upper Togue Pond	1	0		0	1
Wassataquoik Lake	1	0		0	1
Webster Lake	4	0	Not stated	Not stated	
TOTALS	39	2		3	4

Loon Count Volunteers

First Name	Last Name	Pond
Laurie	Rich	Abol Pond
Dean	Levasseur	Big Rocky Pond
Andrew	Vietze	Daicey Pond
Bruce	White	Draper Pond
Keith	Kennedy	Elbow Pond
Dave	Loome	Grassy Pond
Kelly	Meehan-Coussee	Lily Pad Pond
Charity	Levasseur	Little Rocky Pond
Richard	Ste. Croix	Lost Pond/T3 R10
Gabriel	Williamson	Lower South Branch Pond
Elise	Goplerud	Lower Togue Pond
Mike and Jan	Martin	Matagamon
Emmy	Rioux	Upper South Branch Pond
Theresa	Therriault	Upper Togue Pond
Greg	Hamer	Wassataquoik Lake
Steve	Dunham	Webster lake

2017 Moose Patrols														
Date	Weather	Location	Time	Ppl visible	Moose visible	Closest distance	Behavior issues	# of Moose	# of Ppl met	Info/edu	Trash	HW	Notes	
2-Jun	Sunny	SSP	8:25-8:55	2	2	50 ft	n/a	2	2	0	0	0	Visitors were respectfully viewing moose	
3-Jun	Partly Sunny	SSP	10:55-11:20	0	0	n/a	n/a	0	13	0	0	0	Trail crew present on bog bridges	
15-Jun	Sunny	SSP	2:45-3:25	10	0	n/a	n/a	0	10	0	0	0		
20-Jun	Foggy, Rainy	Stump	7:45-8:15	0	0	n/a	n/a	0	0	0	0	0		
27-Jun	Thunderstorms	Stump	3:10-3:15	3	0	n/a	n/a	0	3	1	0	0	Family present looking for moose	
7-Jul	Mostly cloudy	SSP	8:50-9:20	8	2	1/10 mile	n/a	2	4	0	2	0	Cow & calf	
9-Jul	Clear & Sunny	SSP	8:00-9:10	5	0	n/a	n/a	0	5	1	0	0	Couple from Germany w/ large cameras/tripods set up on big rock - no bad behaviors noted	
10-Aug	Sunny	SSP	8:45-9:30	0	0	n/a	n/a	0	6	0	1	0	Area near viewpoint 3 has been muddy all year - bog boardwalk?	
17-Aug	Sunny	Stump	2:00-2:30	5	0	n/a	n/a	0	5	2	5	0		
30-Aug	Partly Cloudy	SSP	7:30-8:15	1	0	n/a	n/a	0	1	1	0	0	Lots of beaver activity, bog walks in 3rd viewpoint area getting flooded	
7-Sep	Rainy & Cloudy	SSP	9:00-9:30	0	0	n/a	n/a	0	0	0	0	0		
9-Sep	Sunny	SSP	8:15-8:45	0	2	50 ft	n/a	2	3	1	0	0		
10-Sep	Partly Cloudy	Stump	9:00-9:15	0	0	n/a	n/a	0	0	0	0	0	Noted that a cow has been seen @ stump recently	
20-Sep	Mostly cloudy	Stump	8:35-8:45	0	0	n/a	n/a	0	0	0	0	0		
27-Sep	Sunny	SSP	12:00-12:20	6	0	n/a	n/a	0	7	3	0	0		
12-Oct	Sunny	SSP	10:15-11:15	7	1	1/10 mile	n/a	1	5	1	1	0		
13-Oct	Fair	SSP	12:30-1:30	6	1	1/10 mile	n/a	1	8	1	0	0		
14-Oct	Cloudy	SSP	9:35-12:45	8	1	1/10 mile	1 blocking boardwalk	1	8	2	2	0	man w/ large camera stand blocking boardwalk, was receptive to edu. Patrol done on way up/down S Turner	
15-Oct	Rainy & Foggy	SSP	9:30-10:15	0	1	n/a	n/a	1	0	0	0	0		
Total				61	10		1	10	80	13	11	0		

Mountain Patrol Stats

2017 Alpine Steward Patrol												
Date	Total Stopping Points	Total Visible	Min at any Pt	Max at any Pt	Box Pk Count	# People Met	Parties Contacted	Trash	HW (incl. TP)	Weather code	Notes / bad behavior	
2-Jul	7	42	0	23	23	65	5	6	4	2		
7-Jul	6	23	0	21	21	20	4	7	0	2		
8-Jul	2	6	2	4	4	31	4	6	0	2, turning to 3		
12-Jul	5	15	0	6	n/a	35	not stated	7	0	2		
13-Jul	4	16	0	7	n/a	20	2	3	0	2		
14-Jul	3	33	5	20	20	40	8	15	0	1	A lot of food waste @ pk	
15-Jul	2	58	18	40	40	80	not stated	4	0	2	Few parties napping on sedges @ pk	
19-Jul	3	75	5	50	50	70	10	7	0	1	4 parties attempting to go down cathedral	
20-Jul	2	11	5	6	n/a	40	10	15	3	1	A lot of food waste	
21-Jul	4	20	2	9	9	35	5	9	1	2	Ppl off trail	
22-Jul	4	46	4	30	30	45	5	12	3	2	Ppl off trail	
26-Jul	5	27	0	10	n/a	57	4	4	1	1		
27-Jul	1	0	0	0	n/a	12	1	1	0	2		
28-Jul	5	75	0	65	65	not stated	5	2	0	2		
29-Jul	3	79	6	65	65	not stated	3	11	0	1	Drone encounter	
2-Aug	5	97	0	80	80	100	10	5	2	1	Poop on saddle on tableland	
4-Aug	5	36	0	20	n/a	50	5	10	5	2		
5-Aug	2	17	8	9	n/a	20	4	1	0	3		
9-Aug	6	118	4	50	50	120	10	4	1	2	Loud group of teens on pk, man with anxiety 1/2 way up saddle slide	
10-Aug	5	83	5	40	40	130	13	25	4	2	Poop in middle of trail on cathedral/on saddle	
16-Aug	7	68	0	40	40	70	7	2	1	2		
17-Aug	4	64	0	50	50	70	8	10	0	2	Some AT hikers yelling @ pk	
18-Aug	1	3	3	3	n/a	26	1	1	0	3	Assisted with hypothermic patient	
19-Aug	2	62	12	50	50	80	3	8	0	3	Lot of ppl off trail on saddle	
23-Aug	6	21	0	15	n/a	40	3	1	2	2	Poop in the middle of Baxter pk cut off near thoreau	
24-Aug	4	5	0	3	n/a	8	2	3	0	2	Diapensia abundant from saddle slide to Howe pk, esp near caribou spring	
26-Aug	4	60	8	30	30	70	5	6	1	2	Ppl on sedges left of Baxter pk sign	
31-Aug	3	12	2	5	5	40	5	25	3	3		
1-Sep	5	28	2	11	5	45	10	10	5	3		
2-Sep	6	139	7	75	75	400	40	25	2	1	2 parties drinking on pk	
6-Sep	8	5	0	2	n/a	9	2	3	1	3		
7-Sep	3	6	1	3	1	13	3	20	0	3		
8-Sep	4	50	2	37	37	70	5	3	1	2		
9-Sep	3	10	0	7	n/a	24	3	3	0	3	Hiked down 7 ppl in hail storm	
13-Sep	5	18	0	8	n/a	30	3	4	2	1		
14-Sep	3	20	5	9	9	30	2	1	1	1	Poss 2 piglets	
15-Sep	2	1	0	1	n/a	6	0	0	1	1		
16-Sep	5	97	6	56	56	120	10	7	5	2		
20-Sep	5	49	3	30	30	45	10	4	2	2	Ppl scared to go down hunt	
21-Sep	5	62	1	45	45	70	15	6	2	1	3 groups concerned about descent/ which trail to take	
22-Sep	4	71	2	60	60	85	20	3	1	1	3 ppl drinking beer on pk, more ppl scared to go down hunt	
27-Sep	2	2	0	2	n/a	7	2	2	0	2		
28-Sep	2	7	1	6	6	18	1	0	0	3		
29-Sep	1	0	0	0	n/a	6	1	2	0	3		
30-Sep	5	81	2	70	70	100	6	10	1	1	A lot of ppl walking on plants on pk	
4-Oct	5	10	0	4	n/a	30	2	0	4	2		
5-Oct	4	4	0	4	n/a	8	1	0	0	2	A lot of diapensia from caribou spring to north peaks	
6-Oct	2	7	0	7	7	7	3	5	2	3		
7-Oct	3	35	7	20	20	60	8	1	2	2		
11-Oct	2	6	2	4	n/a	6	3	4	1	1		
12-Oct	3	43	3	35	35	45	10	4	1	1		
13-Oct	4	42	1	30	30	50	not stated	2	1	2	Assisted with sick hiker, 1 disrespectful AT hiker	
14-Oct	5	63	6	30	30	60	10	4	0	3		
Season Totals	206	2028	140	1307	1188	2718	314	343	86			
Season Avg	3.8	37	3	24	34	50	6	6.1	1.3	1.9		
*n/a = peak was not reached												
Weather codes												
1: Sunny - mostly sunny, calm winds, nice day												
2: Cloudy, winds 10-30, less than perfect day												
3: Rain, winds over 30mph, cold												
4: Not rec. to summit, high winds, rain/sleet/snow												

BUSINESS DEPARTMENT

PERSONNEL:

Year round positions: 21

Seasonal positions: 40 = FTE: 18.809

Position Changes - Year Round:

Director Jensen Bissell retired (Dec 31 2017) and Eben Sypitkowski was hired as Director

Chief Ranger was filled by Don Bolduc

Naturalist was filled by Marc Edwards

Resource Manager was filled by Mike Pouch

Interpretive Specialist was filled by Elise Goplerud

Position Changes - Seasonal:

BSP Customer Representatives: Deanna Czarniecki

Campground Ranger: Victoria Gray at Abol and Steve Burke at Roaring Brook

Backcountry Ranger: Kim Rosenbaum at Chimney Pond, Elise Goplerud - Roving Ranger

Transfers/promotions/acting capacity/temp comp:

Gregory Cironi a/c-Nesowadnehunk, Marshall Haas a/c-Nes/TBF, Bill Martell-transferred to-Roaring Brook, Bruce Thibodeau-transferred to-Trout Brook Farm, Ian Lookabaugh-transferred to-Russell Pond, Atalie Carmichael a/c-Togue Pond

Year-Round Positions

<u>Position</u>	<u>Name</u>	<u>Location</u>
BSP Director	Eben Sypitkowski	Headquarters, Mkt.
BSP Chief Ranger	Mike Martin a/c/ Don Bolduc	Headquarters, Mkt.
Park Naturalist	Marc Edwards	Headquarters, Mkt.
Business Manager	Christine Theriault	Headquarters, Mkt.
BSP Senior Field Supervisor	Mike Winslow a/c/ Michael Martin	Headquarters, Mkt.
Secretary	Georgia Manzo	Headquarters, Mkt.
Accounting Associate I	Emilie Tisch	Headquarters, Mkt.
Human Resource Assistant	Joni Lowell	Headquarters, Mkt.
Inventory & Property Assoc. II	Constance Theriault	Headquarters, Mkt.
Office Associate II, Supv.	Nancy Guay	Headquarters, Mkt.
Maintenance Supervisor	Stephen Bouchard	Headquarters, Mkt.
Auto Mechanic II	Frank George	Headquarters, Mkt.
BSP Supv. Carpenter	Craig Kennedy	Headquarters, Mkt.
Interpretive Specialist		Headquarters, Mkt.
Resource Manager	Mike Pouch	SFMA
Forester I	Deidra George	SFMA
BSP Enforcement Ranger	Michael Winslow	Field
BSP Enforcement Ranger	Robert Tice	Field
BSP Supervisor	Bruce White	Field
BSP Supervisor- Ranger	David Loomer	Field
BSP Supervisor-Ranger	Russell Porter	Field

SEASONAL POSITIONS – 2018

<u>Title/Position Number</u>	<u>Name/Location</u>	<u>Wks</u>	<u>Start</u>	<u>End</u>
CAMPGROUND RANGERS				
9425-0631 Betsy Dawkins	-Nesowadnehunk	21	5-20	10-13
9425-0541 David R. White	-Nes/TBF	12	6-17	9-08
9425-0221 Gabe Williamson	-So. Branch Pond	24	5-6	10-20
9425-0922 Geoffrey Snow	-So. Branch Pond	20	5-13	9-29
9425-0351 Bill Martell	-Roaring Brook	24	5-6	10-20
9425-0741 Steven Burke	-Roaring Brook	22	5-13	10-13
9425-0391 Nicholas MacPherson	-Katahdin Stream	27	5-6	11-10
9425-0421 Justine Rumaker	-Katahdin Stream	22	5-20	10-20
9425-0978 Dave Chase	-Abol	24	5-6	10-20
9425-0461 Victoria Gray	-Abol	18	5-27	9-29
9425-0611 Bruce Thibodeau	-Trout Brook Farm	20	5-27	10-13
9425-0982 Dean Levasseur	-Kidney Pond	26	5-6	11-03
9425-0983 Robin Stevens	-Kidney Pond	26	5-6	11-03
9425-0980 Charity Levasseur	-Daicey Pond	26	5-6	11-03
9425-0981 Andy Vietze	-Daicey Pond	26	5-6	11-03
BACKCOUNTRY RANGERS - SUMMER				
9423-0021 Greg Hamer	-Russell Pond	24	5-6	10-20
9423-0831 Ian Lookabaugh	-Russell Pond	22	5-13	10-13
9423-0601 Jennifer Sinsabaugh	-Chimney Pond	24	5-6	10-20
9423-0841 Kim Rosenbaum	-Chimney Pond	22	5-13	10-13
BACKCOUNTRY RANGERS - ROVING RANGERS				
9423-0991 Elise Goplerud	-Parkwide	26	5-6	11-03
9423-0993 Danielle Woodworth	-Parkwide	26	5-27	11-24
BACKCOUNTRY RANGERS – WINTER				
9423-1008 Greg Hamer	-Chimney Pond	12	1-1	3-24
9423-0998 Jennifer Sinsabaugh	-Chimney Pond	12	1-8	3-31
BAXTER PARK CUSTOMER REPRESENTATIVE				
9418-0171 Deanna Czarniecki	-Togue Pond	26**	5-27	11-24
9418-0511 Tom Power	-Togue Pond	23	5-06	10-13
9418-0501 Katrina Kinhead	-Togue Pond	29**	5-06	11-24
9418-0531 Stacy Labby	-Togue Pond	24	5-13	10-27
9418-1011 Renee Burby	-Togue Pond	12	6-17	9-08
9418-0941 Lulu Legassey	-Millinocket Hdqtrs.	31	3-11	10-13
9418-0967 Ruth Levesque	-Millinocket Hdqtrs.	28	4-01	10-13
9418-0731 Marybeth Varney	-Millinocket Hdqtrs.	40	2-04	11-10
9418-0997 Monica Raulf	-Millinocket Hdqtrs.	15	6-03	09-15
GATEHOUSE ATTENDANT				
9422-0361 Tracy Young	-Matagamon	29**	5-06	11-24
9422-0441 Marcia Anderson	-Matagamon	29**	5-06	11-24
9422-0201 James Barden	-Matagamon	24	5-06	10-20
CUSTOMER REP ASSOC I COMM				
6510-0977 Kathy Winslow	-Visitor Center	21	5-20	10-13
6510-0992 Brian Johnston	-Visitor Center	21	5-13	10-06
MAINTENANCE MECHANIC				
8281-0965 Matt Martin	- Mill. Maint. Facilities	26	5-06	11-03
FOREST TECHNICIAN				
9456-0988 Kevin Osborne	-SFMA	31	4-15	11-17
TRAIL SPECIALIST				
9419-0141 Rebekah Morrisson	Trail Specialist	42	02-25	12-15
9419-0940 Liz Thibault	Trail Specialist	42	02-25	12-15



CONTRACT SERVICES

Rubbish Removal – Plourde Trucking, Millinocket; Pine Tree, Houlton
 Janitorial Services – Denise Bragdon, Millinocket
 Firewood and Firewood Bundling – Justin Allen, Scott Hannington
 SFMA Forest Operations/Road Construction – Pelletier Brothers, Brent Chadbourne
 Trail Work – 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 and Programing – Starfruit Solutions, SJ Rollins
 Cellular Service – US Cellular, Verizon
 Copier Service – Budget Documents Technology
 Satellite Internet Dish Access – Hughesnet.com

RESERVATIONS

January 14, 2018 was the last opening day for Baxter State Park. Upon review of our reservation system and discussions with the Baxter State Park Authority, Advisory and staff the decision was made to end opening day. All visitors make reservations through the four month rolling reservation system putting every visitor on an equal basis for staying in the Park.

The reservation system was updated and will continue to have improvements to the system to make it as user friendly as possible.

RESERVATION OFFICE STATS - 2018 SEASON														
	Calls	Office Visitors	Mail	Info Packs	Video	Dupr Res								
Jan	345	32	25	0	0	0								
Feb	48	41	71	1	0	0								
March	879	31	94	1	0	1								
April	1319	40	132	4	0	22								
May	1723	117	44	5	2	15								
June	2170	435	9	0	18	130								
July	2496	642	3	0	0	243								
August	2828	710	0	0	6	253								
Sept	1637	453	0	0	0	141								
Oct	823	315	19	1	0	21								
Nov	107	21	30	0	0	0								
Dec	145	22	28	0	0	0								
TOTAL S	14520	2859	455	12	26	826								

2018 Baxter State Park Reservation Procedures

How do I make Reservations?

1. Coming in person to BSP HQ on Sunday, January 14, 2018. 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 quickly reached; 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, walking in, phone and reservations can be made at BSP HQ four (4) months or less prior to the start of your desired camping trip. Online reservations can be made (4) months from your camping end date. (sites excluded from online reservations include: Chimney Pond, Russell Pond, Davis Pond, bunk spaces, group sites and accessible sites). All sites (at least 80% of all camping nights, plus any sites not reserved on January 14th) 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.

Summer Campground Opening & Closing Dates (Inclusive):

Roaring Brook: May 15th - Oct. 15th

Chimney Pond: June 1st - Oct. 15th

Katahdin Stream: May 15th - Oct. 15th

Abol: May 15th - Oct. 15th

Daicey Pond: May 15th - Oct. 15th

South Branch Pond: May 15th - Oct. 15th

Russell Pond: May 15 - Oct. 15th

Kidney Pond May 15th - Oct. 15th

Trout Brook Farm Opens the Friday before Memorial Day - Oct. 15th

Nesowadnehunk Opens Friday before Memorial Day – Oct 15th.

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.

Arrival and Departure

Check-In Time after 1:00 p.m. Check-Out Time by 11:00 a.m. All campers must be through the gate by 8:30 p.m. on the first night of camping. If you miss the first day of your reservation please call, as reservations are released on the second day at 4:00 p.m. for no show reservations.



Baxter State Park Fee Structure

Summer Rates as of 15 May, 2017		Winter Rates as of 1 December, 2017	
Entrance Fee	\$15		
Season Pass (for entrance only)	\$40		
Campground Lean-to or Tentsite	\$32	Lean-to or Tentsite	\$17
Backcountry Lean-to or Tentsite	\$21	Bunkhouse (per person)	\$20
Bunkhouse (per person)	\$12	Chimney Pond Bunkhouse	\$40
Cabin-2 person	\$57	Chimney Pond Lean-to	\$44
Cabin-3 person	\$78	Cabin-2 person	\$57
Cabin-4 person	\$105	Cabin-3 person	\$78
Cabin-6 person	\$135	Cabin-4 person	\$105
		Cabin-6 person	\$135
Group Site (per person per night)	\$8		
<i>group site minimum</i>	\$48		
Refunds/Transfers			
	Site Transfer	\$15	
	Refund Fee	\$15	

Summer Season Cancellation Policy: Cancellations and partial cancellations requests must be received a minimum of 14 days prior to the scheduled camping date. A \$15.00 service fee will be applied. Cancellations can only be made in person or by phone. No refunds within the 14 day window, transfers only, a \$15.00 will also apply.

Transfers: Transfers must be made and used within the same camping season the original reservation was made. Changes to all reservations can only be made in person or by phone 207-724-5140. A \$15.00 fee.

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 weekend, the Reservation Office is open from 8 a.m. to 4 p.m. seven days a week, including Holidays. No mail 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 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. **Exceptions: Davis Pone lean-to one (1) night only and Wassataquoik Lake Island lean-to two (2) nights only.**

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

No Shows: 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.

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

FINANCIAL REPORT

Executive Summary: FY18 Annual Work Program

Revenue Notes:

- Revenue from Recreational Use, Entrance Fees, Books and Maps remains consistent.
- Online reservations continue to help maximize camping sites in the Park.
- The Park continues to use the Balance Forward account to fund large Capital projects.
- Significant donations from the Baxter Park Wilderness Trust continue to support increased trail maintenance and relocation projects in the Park.

Expenditure Notes:

- Baxter Park efforts to reorganize both year round and seasonal positions to better operational effectiveness results in an increase in Personal Services.
- Complete switch over from OIT to S.J. Rollins. Giving us control over all our technical needs.
- Started first stage on the possibility of relocation of Togue Pond Gate and integration of Visitor Center to improve flow through gate and customer service.
- Baxter Park will be providing funding to allow MCC crews to help the efforts of trail maintenance and relocations projects.
- Had two infrastructure upgrades at the North end camp in SFMA and replacement of Kidney Pond Office building

FISCAL YEAR ENDING JUNE 30, 2018

Revenue – 014 Account

Park Operations

Recreations Fees	<u>\$989,325</u>
Transfer Fees	<u>\$3,636</u>
Entrance Fees	<u>\$239,034</u>
Miscellaneous Services	<u>\$71,308</u>
Sales of Maps, Books, etc.	<u>\$42,616</u>
Sale of Forest Products	<u>\$ 327,374</u>
Foreign Exchange Differential	<u>\$341</u>
Duplicate/Overpayment Fees	<u>(\$2,620)</u>
NET REVENUE FROM OPERATIONS	<u>\$1,671,014</u>

Trust Funds

Boston Trust	<u>\$ 2,010,000</u>
State Held Trust	<u>\$152,850</u>
Cash Pool Distribution (interest)	<u>\$9,674</u>
Independent Trust	<u>\$322,000</u>
NET REVENUE FROM TRUSTS	<u>\$2,494,524</u>

Miscellaneous Revenue

Special Licenses and Leases	<u>\$ 226</u>
Sale of Equipment	<u>\$ 5,834</u>
Rent of Lands	<u>\$ 0</u>
Miscellaneous Income	<u>\$1,225</u>
TOTAL MISCELLANEOUS REVENUE	<u>\$ 7,285</u>
BALANCE FORWARD USED AS REVENUE	<u>\$560,462</u>
TOTAL REVENUE AVAILABLE	<u>\$4,733,285</u>

Expenditures

PERSONNEL SERVICES	
Salaries, permanent	<u>\$815,085</u>
Salaries, seasonal	<u>\$670,611</u>
Overtime/Differential/Retro	<u>\$115,104</u>
Retirement Contributions	<u>\$591,663</u>
Other Benefits	<u>\$430,103</u>
TOTAL PERSONNEL SERVICES	<u>\$2,622,566</u>

All Other

Contractual Services	<u>\$576,221</u>
Park Operations – All Groups	<u>\$583,456</u>
Sta-Cap Charges	<u>\$51,400</u>
TOTAL ALL OTHER	<u>\$1,211,077</u>

Capital

Buildings	<u>\$355,359</u>
Equipment	<u>\$149,463</u>
TOTAL CAPITAL	<u>\$504,822</u>
TOTAL EXPENDITURES	<u>\$4,338,464</u>

SEE APPENDIX B FOR TRUST DISBURSEMENT, REVENUE, BUDGET, DONATION

SCIENTIFIC FOREST MANAGEMENT AREA

Staff and Contracted Labor

BSP Staff	Contracted Labor	Equipment	Volunteers	Interns
Mike Pouch: Res. Mgr.	Clint Morrow (Pelletier B. Inc.)	JD Tracked dangle-head processor	Kevin Osborne (off season hauling)	None
Deidra George: Forester	Kieth Dionne (Pelletier B. Inc.); winter season only	Rotne Forwarder	Matt Martin (boundary line painting)	
Kevin Osborne: Forest Tech (seasonal)	Steve Rudge (Pelletier B. Inc.); started as of Summer 2018	Rotne forwarder	Rick B. and his buddy Craig (installed windows at Hemlock Camps)	
	Brent Chadborne (Caratunk)	Chainsaw and JD 540B skidder	Jeff Furlong (various handyman tasks and CFI inventory)	
			Jim Hamlin (mowing)	

Operations, Harvest Production, and Markets

Harvest operations had already begun two months prior to the beginning of 2018, owing to strategic placement of operations to avoid autumn mud issues. The winter season ran from 11/1/17 to 3/7/18 for a total of 17 weeks of production. Winter was spent almost entirely down Murphy Brook Rd, with a few blocks treated just north near the North End Camp on Brayley Brook Rd. A sole outfit consisting of Clint, Keith, and later Steve of Pelletier Brothers Inc. ran operations through the winter. Approximately 1600 cords (3770 tons) were cut and delivered to market throughout the winter season. The summer season started 06/07/18 for the hand crew (Brent Chadbourne) and 07/09/2018 for our cut-to-length system and ran relatively steadily till the end of the calendar year. The hand crew produced approximately 590 cords and the cut-to-length crew produced approximately 4200 cords over the summer season. In total, approximately 6380 cords (13810 tons) were harvested and brought to market in 2018. The productivity measuring software in Clint's processor (machine used to fell and portion off trees) malfunctioned and was no longer able provide weekly estimates of productivity. Rough estimates show Clint's weekly productivity between 120 to 160 cords per week.

The 2018 annual harvest increment was approximately 0.25 cord/acre/year (based on 26000 acres of operable land, including reserves). Total annual harvest was 13% lower than that of 2017 (See Fig SFMA.1) but was still slightly above the annual allowable cut of ~6000 cords. Just as in years past, spruce-fir sawtimber remains the most significant resource produced in the SFMA, constituting about 75% of total wood produced. Hardwood pulp and white pine sawlogs constituted the second and third most volume produced, respectively. Please refer to figure SFMA.1 and Table SFMA.1 for a summary of resources produced.

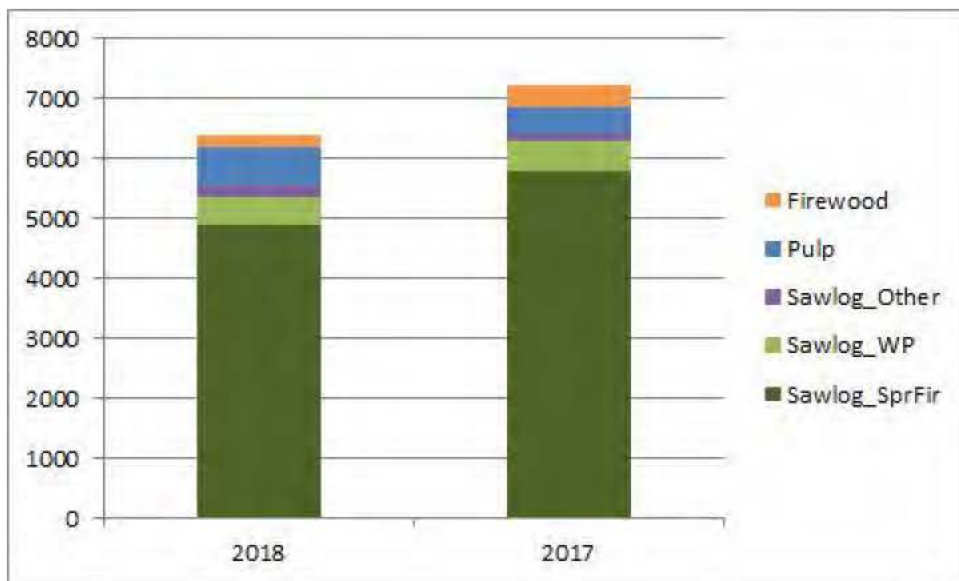


Figure SFMA.1: Cords brought to market in 2018 and 2017 by product; clapboard volumes (12 cord and 6 cord for 2018 and 2017 respectively) not included

Product	Percent of total 2018 harvest
Spruce-Fir Sawlog	75.8%
Hardwood pulp	10.9%
White pine Sawlog	7.3%
Firewood	2.7%
Hygrade Hardwood	1.2%
Aspen Sawlog	1.1%
Hemlock sawlog	0.8%

Table SFMA.1: Percent of total 2018 harvest for each product brought to market

Clint Morrow remains a reliable and valuable asset given his 10year+ tenure cutting wood in the SFMA. He understands SFMA expectations well. However, unacceptable impact from the forwarder (machine used to pick up cut wood and move it to the landing) operator arose and persisted throughout the winter (see Figure SFMA.2). Billy B. (a capable forwarder operator) took over the forwarder early in the summer and was succeeded by Steve Rudge shortly after. Steve's ability to minimize both area in trail and damage to residual trees is noticeably better than his predecessor, if not many others in the industry.



Figure SFMA.2: Unnecessarily wide forwarder tracks

Weather varied within season, as is common in the northeast. Notably, near record-low temperatures early January (causing equipment difficulties) was followed by about ½ inch of rain two weeks later (causing road degradation issues). Also, a day in mid-february reached 50° F.

Markets

Spruce-fir sawtimber was split between U.S. and Canadian markets throughout the year. Despite the sometimes 20-35% higher prices being offered by the Canadian mills, U.S.-based Pleasant River-Moose River Lumber (located in Jackman and Dover-Foxcroft ME) remains a strong customer and partner in the region. Blanchet Lumber of St. Pamphile, Quebec began offering outstanding prices which prompted resource manager and director-to-be Eben S. to cut a deal with the Pelletiers (via a higher delivery per ton rate for going there) to take advantage of what might have been a momentary surge in prices. The Pelletiers were resistant to continue trucking there given the long and often dangerous ride through the hinterlands of northwest Maine. D&G of St. Aurelie Quebec remains the closest and most profitable market for white pine sawlogs, despite mildly unfavorable scaling outcomes given the wood is sold by the board foot and BSP pays to ship it on the ton. Portage Wood Products (PWP) remains the closest and most profitable market for hardwood pulp. Maine Woods Company (MWC) is the primary agora for hygrade, or high quality sawtimber grade, hardwood lumber. Both PWP and MWC are located in Portage, Maine. Please refer to Table SFMA.2 for a breakdown of how much wood went where in 2018 compared to 2017.

Buyer	2018 Delivered	2018 Prop of Total	2017 Delivered	2017 Prop of Total
PRL-MR	3303	52%	4209	57%
Blanchet	959	15%	-	
D&G	913	14%	2044	28%
PWP	617	10%	229	3%
BSP	202	3%	333	5%
Daaquam	139	2%	-	
Gardiner	98	2%	114	2%
MWC	63	1%	20	0%
PLC	48	1%	42	1%
RuffCutters	25	<1%	89	1%
WardClap	12	<1%	6	<1%
LP	-		203	3%
Hanington	-		59	1%
Grand Total	6378		7347	

Table SFMA.2 How much wood went where 2018 v. 2017

Silviculture

Much of the SFMA is composed of spruce-fir dominant overstories with an often ubiquitous layer of spruce-fir regeneration at varying densities and levels of development. A large amount of acreage have been treated in the past 5-20 years with some sort of partial harvest or establishment cut, often resulting in well-established layers of this regeneration. Thus, the majority of harvests in 2018 were, just as in years past, overstory removals (OSRs) designed to release these regen layers. Of the approximately 755 acres treated in 2018, 440 (58% of ground treated) were treated with some variant of an OSR. Of note is what is referred to as an Irregular shelterwood or irregular OSR, where homogeneous sub-portions of a given block are treated in a way that differs from the adjacent areas in the block. Differences in the sub-stand or sub-block portions generally center around past harvesting activities, natural site/topographic variation, and whether regeneration is established. These sub-stands are treated individually with the appropriate level of OSR or thinning..This need for a large proportion of SFMA harvests to be OSRs was predicted by past resource manager Rick Morrill modeling activities. See Table SFMA.3 for a breakdown of the amounts treated by silvicultural treatment.

Silvicultural System	Age Class distribution	Acres treated
Group Selection	Multi-aged; Nat. Dist. Based	125
Overstory removal	Even-aged	283
Irregular shelterwood	Multi-aged	156
Partial harvest (SWEXTD)	Even- or Multi-aged	149
Single tree selection; fir cleaning	Non-regenerating	42
Grand Total		756

Table SFMA.3: Acres treated by treatment type in 2018

Winter operations occurred down the **Murphy Brook and Brayley systems** past the North Branch of Murphy Brook. These stands exist on ledge-swale gravel tills too poor for hardwoods, making them perfect for spruce-fir production. Most of the stands have varying overstory densities dependent on their treatment in the mid-90s when they were last harvested and more or less ubiquitous SF regeneration layer from 3-20' tall. The presence or absence of this regeneration and its height are the primary determinant of the shelterwood variant (establishment--30% target removal, extended--40-50%, OSR--80-90%) used in a particular area--these areas are generally on the sub-stand level, maybe ranging in size from 5-25 acres.

Layout

Our layout process has settled in the past year to consist mainly of identifying sub-stand pockets of relative homogeneity in the GIS and flagging main trails into them, allowing the loggers to make supplemental trails to extend throughout the sub-stand area. These GIS files are utilized by the operators via Avenza maps on a tablet or phone in the cab of the machine. Secondary trails are laid out when thick regeneration obfuscates visibility. Our standard maps now include one map with aerial images (still using mainly 2013 images, though we have some poor-quality ones from 2016 now), and another with the Enhanced Forestry Inventory (EFI) basal area layer draped on the LiDAR-derived 1M Digital Elevation Model (See Section "Monitoring" below for more on the EFI system in development). The latter is generally preferred by both the operators and the foresters and is quickly becoming the norm. There has been a shift to doing more layout in the office and then field-checking assumptions in the field.

Natural Disturbance Based Silviculture

Approximately 120 acres were treated with group selection with reserves in Compartment 10 in the eastern section of the SFMA. Brent Chadbourne performed these harvests using chainsaw and cable skidder. These harvests methods are informed by the natural disturbance regime of the region, which is characterized by frequent small canopy gaps with incomplete mortality and very infrequent large scale, complete mortality events. Group selection roughly simulates these disturbances when the gaps cut are less than an acre in size and the amount of area cut over a period of time roughly translates to 1% of the area being regenerated annually. By employing the handcrew in these stands, SFMA personnel can have their cake and eat it too by removing high quality trees, improving the stand by targeting poor quality stems and maintaining higher levels of stocking in the untreated portion of the stand. Further this kind of silviculture can create uneven age and structural distribution throughout the stand. Gap placement was selected based on understory conditions and was not randomly dispersed.

Although the approach of following natural stand boundaries or sub-stands is not specifically informed by any natural disturbance ecology, it results in a heterogeneous canopy-structure distribution across the landscape and generally refrains from collinear edges and abrupt transitions not often found in nature.

Pre Commercial Thinning

No pre-commercial thinning was conducted in 2018. Plans are in the works to develop a PCT-workplan for the coming years, given the new resource manager's positive partiality towards the practice.

Monitoring

2018 was the second year that **LiDAR-sourced Enhance Forest Inventory (EFI)** was employed in operational activities. Most of the basic estimates needed for operation purposes can be sourced from EFI (See Figure SFMA.3). Thus, interns were not hired for a second year given the availability of useful and reliable data without the additional costs of seasonal hires. Additionally, Elias Avery (PhD. candidate Univ. of Maine) developed EFI for the entire northeast region and provided the resource manager with an updated version of EFI data for the entire park. This new data has opened the door for SFMA staff to compare their conditions in their working forest with the much larger preserve to the south. Much of this work will fall on the shoulders of the new resource manager and is planned to be conducted in the coming year. Additionally, the validity of both EFI versions will be ground checked and assessed.

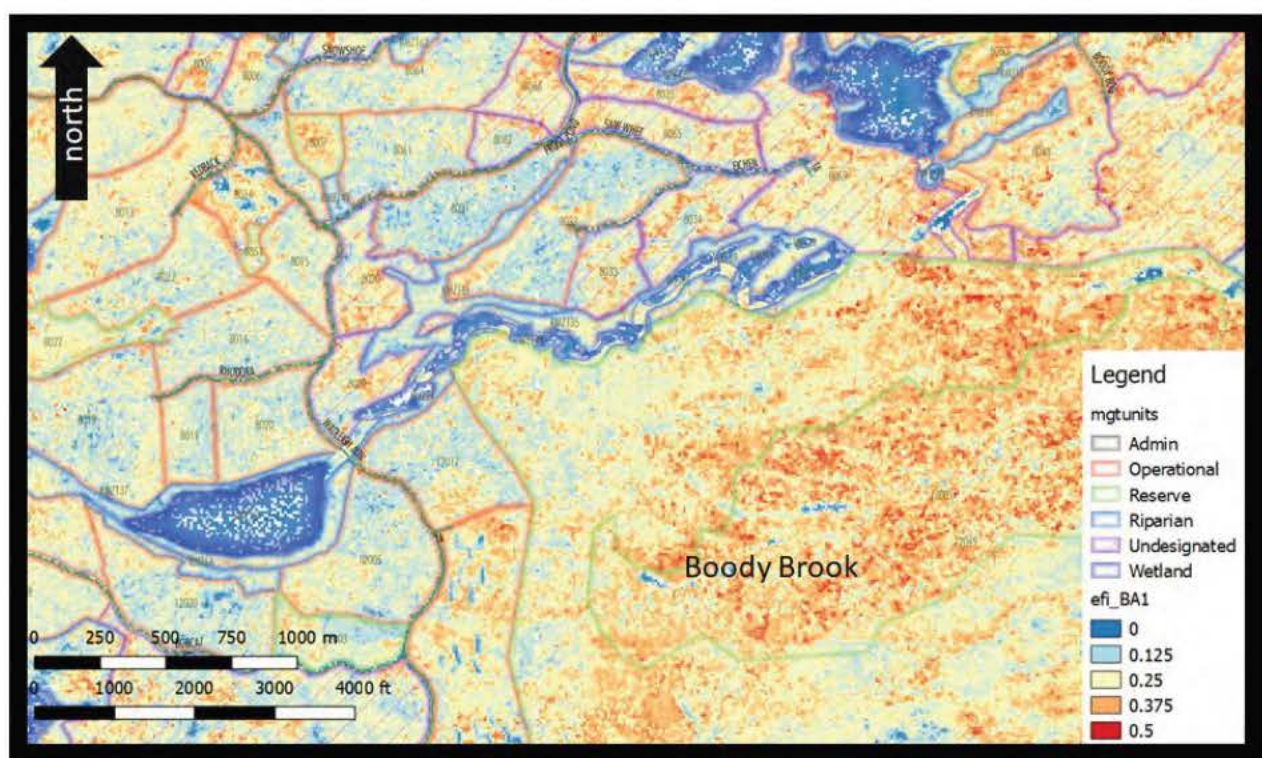


Figure SFMA.3: Enhanced Forest Inventory imagery for the southeast portion of the SFMA. Note: the dataset used here is based on basal area; other datasets exist which estimate height, volume, and rough species composition.

2018 CFI plot measurements were conducted and completed as scheduled. CFI data is still being sent and stored through the [Forest Ecosystem Monitoring Cooperative](#) out of UVM, and can be accessed, via permission, [here](#). Their data services are currently free and the SFMA were the first Maine entity to reach out to them—they store this stuff in future-proof formats and redundant networks within the [DataOne system](#). SFMA staff will continue to curate and update this and other datasets, all the while thinking about other ecological parameters of interest to measure to compliment or enhance future studies or unasked questions.

The **Frost Pond Forest** management plan is still being reevaluated to focus on any beetle damage still affecting the larger spruce in this area, and consider how and if to re-enter. The efficacy of beetle damage control from the sanitation cut employed by J. Bissell in 2003 is still

being evaluated. This was the focus of Sam Hahn's master's project for his MF at UMO which he completed at the end of the year this year. With this in hand, a revised Frost Pond Management Plan should be completed this year or next.

Deidra George is working on an update to the **Mt. Chase Forest Management Plan**. This is one of the forests purchased in the early 70s to be a demonstration forest closer to population centers where visitation might be greater than in the SFMA. The interpretive trail in this forest has been laid out and cut. The majority of the informative pamphlet was developed by Dee throughout the year and is close to completion. The other demonstration forest, the Austin Cary Forest in Harpswell, is out of the legal woods and done with a land swap that should settle out an encroachment from the neighboring Used Auto Sales place.

Recreational use in the SFMA, which is generally hunting, continued to decline as it has since the early 2000s when huntable game (re: deer) were more common.

Advisory

The SFMA Advisory Committee met in April in Bangor. All five committee members up for renewal agreed to continue commitment to the Advisory (See Figure SFMA.4). The committee and then resource manager E. Sypitkowski discussed the new camp at the north end, Frost Pond road stump-failures, GIS cost analysis, the monitoring of CFI/Necromass/Amphibians/Stream temperature, data storage, and demonstration forests. The SFMA is extremely lucky to have such a high caliber community of knowledgeable forestry folk concerned and involved in the SFMA. The Advisory Committee Meeting minutes can be found [here](#).

Infrastructure

Boody bog road extension right-of-way was cut in the summer to allow it to sit for a year (See Figure SFMA.5). Carlton Brook Bridge on the Useless Road was constructed. The longer span of the bridge along with different waste block organization. Waste blocks are prefabricated concrete blocks that support the bridge; the blocks were reorganized to be on top, rather than inside, the stream bank (See Figure SFMA.6 for before and after photos). The cost of constructing and installing the bridge was shared evenly with SFMA-neighbors Katahdin Forest Management. Webster Ledge Road was improved from a winter to a summer grade road (winter roads need to be frozen in order to drive them). Other work conducted included grading, ditching, brushing and mowing, culvert installation, surfacing, and plowing.



Figure SFMA.5: Boody Bog extension right-of-way



Figure SFMA.6: Carlton Brook Bridge before (left) and after (right)

The Northend camp constructed in summer 2017 housed the SFMA winter harvesting outfit for the second year. This camp and the comfort it offers is key to maintaining a functional relationship with the operators and keeps them coming back and performing well. Additional to comfort, the internet at the camps enables the operators to communicate with the forester and resource manager when 2 hours plus away.

Personnel Changes

Following the retirement of Jensen Bissell, Eben Sypitkowski was promoted to Park Director in June. In the interim between when the new director was appointed and the new resource manager was hired, the majority of the necessary work related to keeping the SFMA afloat (operations, roadwork, monitoring) fell on the able shoulders of forester Deidra George. Mike Pouch was hired as the new resource manager and began in December. Pouch holds a Masters of Forestry from the University of Maine's School of Forest Resources and the entirety of his academic and professional forestry career has centered around the Acadian Forest of Maine.

Once Mike Pouch was hired, the SFMA division of BSP assumed supervisory responsibility of the Trails Department.

VOLUNTEER PROGRAM

Overview of Program

Baxter State Park's Volunteer Program is an important part of the maintenance and preservation of Park resources. The Volunteer Coordinators (Supervisor Ranger Bruce White, and Park Secretary Georgia Manzo) work in close communication and coordination with the Park Naturalist, Chief Ranger, Supervisor Rangers and Campground Rangers, as well as SFMA and Maintenance and Transportation personnel, to identify, assemble and execute volunteer work projects.



Earth Day Litter Patrol annually kicks off the Volunteer Season and in 2018, 40 participants helped to clean up the road from Millinocket to Togue Pond Gate, followed by a BBQ at Headquarters.

In 2018, not including Trails and Search and Rescue volunteer teams, over 250 volunteers provided approximately 2,333 hours of service to the maintenance, operations, resource protection and visitor safety of the Park. This included large groups such as:

College of the Atlantic (23 volunteers)- painted structures at Abol, Katahdin Stream and The Birches

Mitchell Scholars (55 volunteers) - Graveled sites at The Birches and Abol

Westwood High School (23 volunteers) - stacked wood at Roaring Brook

Casco Bay High School (19 volunteers) - painted 30 picnic table kits at HQ garage

Friends of Baxter Wilderness Youth Group (12 volunteers) - Moved cement blocks, replaced logs around tent site after removing old logs, built new cribwork and fire pit and filled cribbing with gravel.

A Volunteer banquet was held in November to honor those volunteers with 25 or more hours of service in 2018 and each volunteer receives a year-end letter of thanks along with volunteer tokens of appreciation.



Volunteer Projects Accomplished

Abol Campground and the Birches -

- Assist with office and campground duties
- Gravel tent and lean-to sites

Abol Narrows -

- Stain 5 lean-tos and the outhouse

Daicey Pond -

- Volunteer Cabin - cleaning and painting

Daicey Pond Nature Trail

- Trimming

Daicey and Kidney Pond Campgrounds

- Firewood Stacking

Headquarters and BSP Garage

- Stain/Assemble 30 picnic table kits
- Print/assemble Junior Ranger booklets
- Print/assemble Forestry Trail brochures
- Digitize documents
- Input - LD Hiker information
- Spring/Fall Staff Meeting coverage in Reservations
- Evaluate books from Daicey Pond Library
- Conduct Power Tool safety training
- Pull/Cut Glossy Buckthorn
- Litter/Debris cleanup and brush cutting

Katahdin Stream Campground

- Assist with CG duties, rough carpentry

Abol, Katahdin Stream, and The Birches

- Stain 7 structures

Kidney/Daicey/South Branch Pond and Trout Brook Farm

- Campground openings and closings (and all it involves)
- Library facelifts at Kidney and Daicey Ponds

Kidney Pond Campground

- Replace office windows
- Make curtains for #8 Cabin

Matagamon and Togue Pond Gates

- Coverage during Spring and Fall All-Staff meetings

Nesowadnehunk Campground

- Assist w/picnic shelter construction - Group Area 1
- Stain garage, Camp Cozy, outhouses
- Replace boards

Parkwide

- Monitor trailheads/campgrounds during spring/fall all-staff meetings
- Culvert Assessment/Inventory

Russell Pond

- Move cement blocks, replace logs at tentsites, build cribwork and fire pit, fill gravel

SFMA

- Lynx survey
- Winter hauling/cabin assessment
- Winter boundary line painting
- Road mowing
- Webster - assemble two outhouse kits
- Collect twigs for new BSP original pencils
- Paint north end sled shed and storage shed, picnic tables, gates
- Move and spread gravel
- Help tear down building
- Provide photos of camps, measure windows, clean roof
- Replace 4 windows at Webster Camp

South Branch Pond Campground

- Assist with numerous CG duties
- Stack firewood
- Paint sign posts
- Clean ditches and culverts

Stump Pond

- Vegetation Removal

Volunteers' homes

- Affix BSP Patches on backpacks
- Make curtains
- Affix stickers on bags
- Fabricate pencils from twigs



Appendix A

BSP Numbers

BAXTER STATE PARK 2018 GATE COUNT - VEHICLES PER MONTH								
	VEHICLES		COMMERCIAL USE		TOTAL	% OF	TOTAL	AVE.
	RES	NON-RES	RES	NON-RES	VEHICLE	TOTAL	PEOPLE/	PEOPLE/
					MONTH	VEH	MONTH	VEHICLE
MAY								
Togue Pond	395	287	21	1	704		1702	
Matagamon	169	32	4	0	205		472	
Total MAY	564	319	25	1	909	3%	2174	2.4
JUNE								
Togue Pond	1645	1690	78	7	3420		8609	
Matagamon	326	186	1	0	513		1258	
Total JUNE	1971	1876	79	7	3933	15%	9867	2.5
JULY								
Togue Pond	2243	2966	116	30	5355		15035	
Matagamon	663	339	5	0	1007		2826	
Total JULY	2906	3305	121	30	6362	24%	17861	2.8
AUGUST								
Togue Pond	2486	3155	106	17	5764		15500	
Matagamon	675	400	1	0	1076		3018	
Total AUGUST	3161	3555	107	17	6840	26%	18518	2.7
SEPTEMBER								
Togue Pond	2081	2394	82	4	4561		10891	
Matagamon	397	271	2	0	670		1507	
Total SEPT	2478	2665	84	4	5231	20%	12398	2.4
OCTOBER								
Togue Pond	1117	1402	45	1	2565		5955	
Matagamon	264	175	0	0	439		1001	
Total OCTOBER	1381	1577	45	1	3004	11%	6956	2.3
TOTAL BY								
USE CATEGORY	12461	13297	461	60	26279	100%	67774	2.6
%BY CATEGORY\	47%	51%						

BAXTER STATE PARK**2018 GATE COUNT - VEHICLES PER GATE**

	VEHICLES		COMMERCIAL		TOTAL	% OF TOTAL
	RES	NON-RES	RES	NON-RES		
TOGUE POND GATE						
May	395	287	21	1	704	
June	1645	1690	78	7	3420	
July	2243	2966	116	30	5355	
August	2486	3155	106	17	5764	
September	2081	2394	82	4	4561	
October	1117	1402	45	1	2565	
TOGUE TOTAL	9967	11894	448	60	22369	85%
MATAGAMON GATE						
May	169	32	4	0	205	
June	326	186	1	0	513	
July	663	339	5	0	1007	
August	675	400	1	0	1076	
September	397	271	2	0	670	
October	264	175	0	0	439	
MATAGAMON TOTAL	2494	1403	13	0	3910	15%
TOTAL GATES	12461	13297	461	60	26279	

BAXTER STATE PARK 2018 GATE COUNT - PEOPLE PER MONTH										
	DAY USE		Walk/ Bike	TOTAL	CAMPERS		Walk/ Bike	TOTAL	BY MONTH	% OF TOTAL
	RES	NON-RES			RES	NON-RES				
MAY										
Togue Pond	782	487	3	1272	239	190	1	430	1702	
Matagamon	297	57	0	354	100	18	0	118	472	
Total MAY	1079	544	3	1626	339	208	1	548	2174	3%
JUNE										
Togue Pond	2970	2333	3	5306	1365	1935	3	3303	8609	
Matagamon	507	194	3	704	321	225	8	554	1258	
Total JUNE	3477	2527	6	6010	1686	2160	11	3857	9867	15%
JULY										
Togue Pond	4862	5255	1	10118	1876	3038	3	4917	15035	
Matagamon	1137	435	11	1583	760	462	21	1243	2826	
Total JULY	5999	5690	12	11701	2636	3500	24	6160	17861	26%
AUGUST										
Togue Pond	4986	5484	3	10473	2269	2756	2	5027	15500	
Matagamon	1076	512	11	1599	880	535	4	1419	3018	
Total AUGUST	6062	5996	14	12072	3149	3291	6	6446	18518	27%
SEPTEMBER										
Togue Pond	3733	3679	1	7413	1639	1839	0	3478	10891	
Matagamon	468	267	4	739	448	317	3	768	1507	
Total SEPTEMBER	4201	3946	5	8152	2087	2156	3	4246	12398	18%
OCTOBER										
Togue Pond	2050	2343	0	4393	712	849	1	1562	5955	
Matagamon	417	263	2	682	206	113	0	319	1001	
Total OCTOBER	2467	2606	2	5075	918	962	1	1881	6956	10%
TOTALS BY	23285	21309	42	44636	10815	12277	46	23138		
USE CATEGORY				44636				23138	67774	100%
% OF TOTAL USE	66%				34%					
% BY CATAGORY	DAY USE				CAMPING				RES/NON-RES	
RES/NON-RES*	52%	48%			47%	53%			50%	50%

BAXTER STATE PARK 2018 GATE COUNTS - PEOPLE PER GATE									
	DAY USE			CAMPERS			WALK/ BIKE	TOTAL COUNT	% BY GATE
	RES	NON-RES	TOTAL	RES	NON-RES	TOTAL			
TOGUE POND GATE									
May	782	487	1269	240	190	430	3	1702	3.3%
June	2970	2333	5303	1365	1935	3300	6	8609	16.7%
July	4862	5255	10117	1876	3038	4914	4	15035	29.1%
August	4986	5484	10470	2269	2756	5025	5	15500	30.0%
September	3733	3679	7412	1639	1839	3478	1	10891	21.1%
October	2050	2343	4393	712	849	1561	1	5955	11.5%
TOGUE POND TOTAL	19383	19581	38964	8101	10607	18708	20	57692	85%
MATAGAMON GATE									
May	297	57	354	100	18	118	0	472	5.4%
June	507	194	701	321	225	546	11	1258	14.5%
July	1137	435	1572	760	462	1222	32	2826	32.6%
August	1076	512	1588	880	535	1415	15	3018	34.8%
September	468	267	735	448	317	765	7	1507	17.4%
October	417	263	680	206	113	319	2	1001	11.5%
MATAGAMON TOTAL	3902	1728	5630	2715	1670	4385	67	10082	15%
TOTAL GATES	23285	21309	44594	10816	12277	23093	87	67774	

BAXTER STATE PARK Site Occupancy Summary 2018

	OCCUPIED SITE-NIGHTS						SUMMER TOTAL	TOTAL AVAIL SITES	TOTAL AVAIL NIGHTS	TOTAL AVAIL SITE-NIGHTS	% OCCUPANCY
	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	TOTAL				
LEANTOS											
Roaring Brook	11	201	248	259	218	101	1038	9	140	1260	82.4%
Abol	34	198	309	332	269	88	1230	12	144	1728	71.2%
Katahdin Stream	46	285	323	314	287	159	1414	12	151	1812	78.0%
Nesowadnehunk	2	60	192	272	140	52	718	11	140	1540	46.6%
Trout Brook Farm	0	11	17	26	17	5	76	1	140	140	54.3%
South Branch Pond	25	136	316	342	274	131	1224	12	144	1728	70.8%
Russell Pond	15	46	73	116	80	27	357	4	144	576	62.0%
Chimney Pond	0	111	231	236	195	60	833	9	123	1107	75.2%
Leanto Total	133	1048	1709	1897	1480	623	6890	70	1126	9891	69.7%
TENTSITES											
Roaring Brook	18	210	256	264	244	91	1083	10	140	1400	77.4%
Abol	34	169	211	247	172	55	888	9	144	1296	68.5%
Katahdin Stream	42	229	255	264	225	108	1123	9	151	1359	82.6%
Nesowadnehunk	4	59	173	238	107	38	619	10	140	1400	44.2%
Trout Brook Farm	0	55	169	266	103	42	635	14	140	1960	32.4%
South Branch Pond	16	143	463	532	292	127	1573	21	144	3024	52.0%
Russell Pond	5	15	17	38	16	4	95	4	144	576	16.5%
Tentsite Total	119	880	1544	1849	1159	465	6016	77	1003	11015	54.6%
BUNKHOUSES											
Roaring Brook	4	25	28	26	27	11	121	1	140	140	86.4%
Nesowadnehunk	3	16	45	29	19	8	120	1	140	140	85.7%
South Branch Pond	3	10	24	24	17	13	91	1	144	144	63.2%
Russell Pond	8	10	15	22	18	7	80	1	144	144	55.6%

BAXTER STATE PARK Site Occupancy Summary 2018

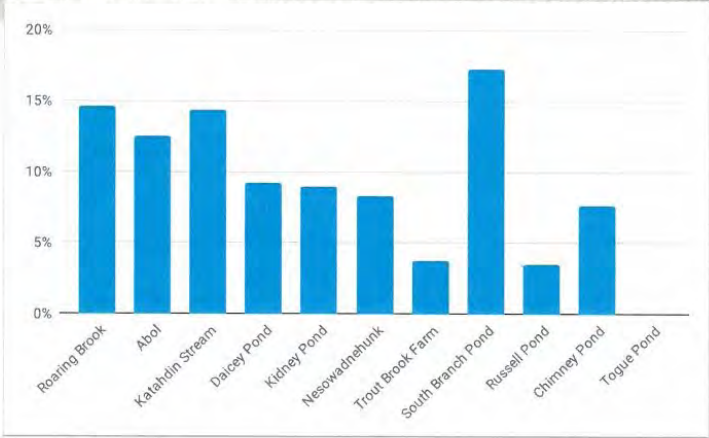
	OCCUPIED SITE-NIGHTS							TOTAL AVAIL SITES	TOTAL AVAIL NIGHTS	TOTAL AVAIL SITE- NIGHTS	% OCCUPANCY
	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	SUMMER TOTAL				
Chimney Pond	0	14	30	30	30	13	117	1	123	123	95.1%
Bunkhouse Total	18	75	142	131	111	52	529	5	691	691	76.6%
GROUP AREAS											
Bear Brook	0	28	78	80	52	15	253	3	140	420	60.2%
North Branch Camps	0	0	6	9	3	4	22	1	144	144	15.3%
Foster Field	3	36	69	78	31	23	240	3	151	453	53.0%
Nesowadnchunk	0	13	50	60	30	30	183	3	140	420	43.6%
Trout Brook Farm	0	25	25	67	19	2	138	4	140	560	24.6%
Group Area Total	3	102	228	294	135	74	836	14	715	1997	41.9%
CABINS											
Nesowadnchunk	3	7	13	20	18	9	70	1	140	140	50.0%
Daicey Pond	48	236	274	287	272	172	1289	10	151	1510	85.4%
Kidney Pond	61	230	323	343	337	177	1471	12	151	1812	81.2%
TOTAL	112	473	610	650	627	358	2830	23	442	3462	81.7%
NO-SHOW SITES											
Roaring Brook	9	72	64	65	96	48	354	23	140	3220	11.0%
Abol	2	56	84	53	49	32	276	21	144	3024	9.1%
Katahdin Stream	5	75	94	99	84	53	410	24	151	3624	11.3%
Daicey Pond	2	9	6	3	11	12	43	10	151	1510	2.8%
Kidney Pond	0	4	3	18	15	20	60	12	151	1812	3.3%
Nesowadnchunk	1	4	12	19	19	3	58	25	140	3500	1.7%
Trout Brook Farm	0	3	22	44	3	3	75	19	140	2660	2.8%
South Branch Pond	10	28	56	71	75	20	260	34	144	4896	5.3%

BAXTER STATE PARK Site Occupancy Summary 2018

	OCCUPIED SITE-NIGHTS						SUMMER	TOTAL AVAIL SITES	TOTAL AVAIL NIGHTS	TOTAL AVAIL SITE- NIGHTS	% OCCUPANCY
	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	TOTAL				
Russell Pond	4	5	8	15	11	0	43	9	144	1296	3.3%
Chimney Pond	0	3	23	19	27	15	87	10	123	1230	7.1%
NO-SHOW TOTAL	33	259	372	406	390	206	1666	187	1428	26772	6.2%

BAXTER STATE PARK Camper Night Summary - XXXX 2018																		
TOTAL CAMPER NIGHTS (Summer)			54,382						% OF						% OF			
TOTAL CAMPERS (Summer)			23,138						SUMMER			WINTER			CAMP-			
NIGHTS PER CAMPER (Summer)			2.35						CAMPER			NIGHT			% PARK			
	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	TOTAL	NIGHT	DEC.	JAN.	FEB.	MAR.	TOTAL	NIGHT	TOTAL	TOTAL	Camper Nights Total	
CAMP GROUNDS																		
Roaring Brook	100	1138	1677	1604	1279	494	6292	14%	26	71	122	221	440	18%	6732	15%	6732	
Abol	142	944	1413	1612	1074	327	5512	13%	31	53	84	117	285	12%	5797	13%	5797	
Katahdin Stream	215	1252	1645	1624	1235	626	6597	15%	1	0	17	10	28	1%	6625	14%	6625	
Daicey Pond	121	639	834	949	737	459	3739	9%	33	63	197	209	502	21%	4241	9%	4241	
Kidney Pond	198	646	929	989	838	409	4009	9%	2	7	95	10	114	5%	4123	9%	4123	
Nesowadnehunk	27	282	994	1564	591	226	3684	8%	4	36	44	80	164	7%	3848	8%	3848	
Trout Brook Farm	0	140	445	717	281	102	1685	4%	0	0	28	14	42	2%	1727	4%	1727	
South Branch Pond	95	754	2358	2621	1285	635	7748	18%	8	46	85	66	205	8%	7953	17%	7953	
Russell Pond	72	181	311	512	329	104	1509	3%	0	44	37	12	93	4%	1602	3%	1602	
Chimney Pond	0	371	861	857	654	234	2977	7%	20	78	206	233	537	22%	3514	8%	3514	
Togue Pond	0	0	0	0	0	0	0	0%	0	0	1	11	12	0%	12	0%	12	
Campground Total	970	6347	11467	13049	8303	3616	43752	80%	125	398	916	983	2422	100%	46174	81%	46174	
GROUP AREAS																		
Bear Brook	0	225	728	563	360	51	1927	30%							1927	30%	1927	
Foster Field	18	245	658	627	185	190	1923	30%							1923	30%	1923	
Nesowadnehunk	0	43	459	509	206	123	1340	21%		C	L	O	S	E	D	1340	21%	1340
North Branch Camps	0	0	45	73	30	40	188	3%							188	3%	188	
Trout Brook	0	166	196	463	126	6	957	15%							957	15%	957	
Group Area Total	18	679	2086	2235	907	410	6335	12%							6335	11%	6335	
OUTLYING SITES																		
South Branch Pond	19	55	73	82	80	36	345	8%							345	8%	345	
Fowler	0	141	189	283	124	41	778	18%							778	18%	778	
Webster/Matagamon	0	86	366	378	85	34	949	22%							949	22%	949	
AT Shelter/Thr Birches	0	44	152	241	200	80	717	17%		C	L	O	S	E	D	717	17%	717
Davis	0	17	65	62	55	6	205	5%							205	5%	205	
Wassataquoik Area	7	64	176	274	260	65	846	20%							846	20%	846	
Katahdin Lake	10	35	141	165	78	26	455	11%							455	11%	455	
Outlying Total	36	442	1021	1485	882	288	4295	8%							4295	8%	4295	
TOT. CAMP NIGHTS - SUMMER	1024	7468	14574	16769	10092	4314	54382	100%	125	398	916	983	2422	100%	56804	100%	56804	
% OF PARK TOTAL	2%	13%	26%	30%	18%	8%	96%	100%	0%	1%	2%	2%	4%		100%			

BAXTER STATE PARK Camper Night Summary - XXXX 2018																																
TOTAL CAMPER NIGHTS (Summer)				54,382				% OF SUMMER CAMPER NIGHT				% OF WINTER CAMPER NIGHT				CAMP-NIGHT		% PARK		Camper Nights												
TOTAL CAMPERS (Summer)				23,138																												
NIGHTS PER CAMPER (Summer)				2.35				SUMMER				WINTER				CAMP-NIGHT		PARK		Camper Nights												
MAY		JUNE		JULY		AUG.		SEPT.		OCT.		TOTAL		NIGHT		DEC.		JAN.		FEB.		MAR.		TOTAL		NIGHT		TOTAL		TOTAL		Total



BAXTER STATE PARK**COMPARATIVE STATISTICS - VISITOR DAYS****2009-2018**

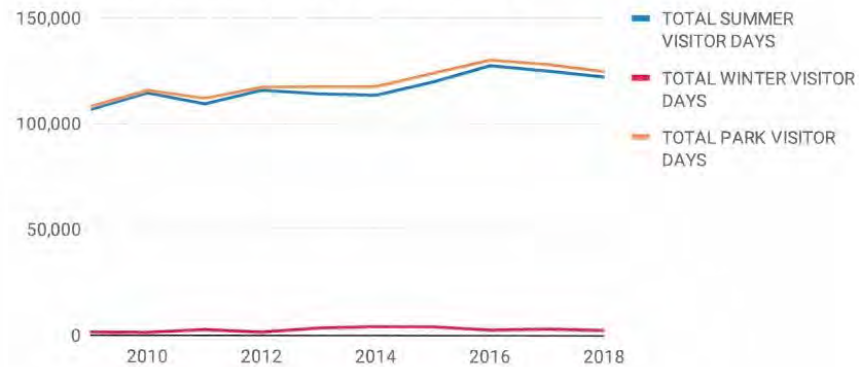
VISITOR DAY STATISTICS:	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
TOTAL SUMMER VISITOR DAYS	106,592	114,523	109,265	115,828	114,101	113,444	119,761	127,459	124,963	122,156
TOTAL WINTER VISITOR DAYS	1,396	1,240	2,597	1,420	3,380	4,090	4,033	2,513	2,997	2,422
TOTAL PARK VISITOR DAYS	107,988	115,763	111,862	117,248	117,481	117,534	123,794	129,972	127,960	124,578

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.)

***2014-15 Abol Trail closed due to avalanche damage. **Dudley Trail closed in 2016 & 2017**

TOTAL SUMMER VISITOR DAYS, TOTAL WINTER VISITOR DAYS and TOTAL PARK VISITOR DAYS



VISITOR DAY STATISTICS:

BAXTER STATE PARK		Dudley Trail closed in 2018.								
2018 TRAIL USE SUMMARY -										
REGISTERED HIKES PER PERSON PER TRAIL										
	MONTH						TRAIL	AREA	% OF	
	MAY	JUN	JUL	AUG	SEPT	OCT	TOTAL	TOTAL	TOTAL	
KATAHDIN STREAM:										
Hunt	218	2196	3425	3740	2492	1302	13373			
Owl	53	90	127	136	92	52	550			
Grassy Pond	8	35	21	43	27	12	146			
O.J.I.	25	36	49	115	96	42	363			
A.T. South	8	212	225	121	106	59	731			
Blueberry Ledges	17	23	67	67	42	24	240			
KAT STR TOTALS	329	2,592	3,914	4,222	2,855	1,491	15,403	15,403	19%	
ABOL:										
Abol Trail	263	912	1,156	1,510	1,066		4,907			
Abol Falls	29	81	202	278	104		694			
Abol Pond/Stream	4	41	85	105	45		280			
Blueberry Ledges	5	100	338	639	192		1,274			
AT North	12	159	491	612	568		1,842			
Foss & Knowlton	0	5	17	27	26		75			
Kettle Ponds	32	22	67	40	34		195			
Cranberry Pond	61	88	184	164	142		639			
ABOL TOTALS	406	1,408	2,540	3,375	2,177	0	9,906	9,906	12%	
ROARING BROOK:										
Chimney	0	1,299	3,548	3,821	2,883	967	12,518			
Helon Taylor	90	764	1,169	1,235	971	349	4,578			
Sandy Stream	310	1,364	1,687	1,210	945	660	6,176			
South Turner	58	188	187	250	159	48	890			
Russell Pond	17	134	202	279	248	85	965			
Nature Trail	20	21	17	22	27	4	111			
Katahdin Lake	6	42	137	201	113	57	556			
Martin Ponds	7	5	7	10	14	5	48			
North Katahdin Lake	1	2	34	18	10	9	74			
Rum Pond	0	0	0	0	0		0			
RRG BK TOTALS	509	3,819	6,988	7,046	5,370	2,184	25,916	25,916	32%	
SOUTH BRANCH PD:										
South Branch Falls	41	151	396	387	188	150	1,313			
Ledges	25	70	221	216	135	99	766			
Howe Brook	18	117	300	505	206	129	1,275			
North Traveler	0	91	238	419	185	64	997			
Center Ridge	0	9	31	28	35	16	119			
Traveler Loop	0	54	112	177	199	72	614			
South Branch Mountain	18	60	98	148	88	50	462			

BAXTER STATE PARK		Dudley Trail closed in 2018.								
2018 TRAIL USE SUMMARY -										
REGISTERED HIKES PER PERSON PER TRAIL										
	MONTH						TRAIL	AREA	% OF	
	MAY	JUN	JUL	AUG	SEPT	OCT				
Pogy Notch	16	51	96	114	111	67	455			
Middle Fowler	6	5	31	32	29	7	110			
Burnt Mountain	0	12	49	111	52	33	257			
SO BRANCH TOTALS	124	620	1,572	2,137	1,228	687	6,368	6,368	8%	
NESOWADNEHUNK:										
Double Top	5	87	184	190	149	82	697			
Marston	17	110	222	231	188	68	836			
Wassataquoik Lake Trail	3	17	25	63	59	8	175			
Dwelle Trail	0	11	63	89	44	29	236			
NESOW TOTALS	25	225	494	573	440	187	1,944	1,944	2%	
CHIMNEY POND:										
Dudley	0	0	0	0	0	0	0			
Cathedral	0	565	1,437	1,595	1,105	422	5,124			
Saddle	0	298	1,125	1,115	955	248	3,741			
Hamlin	0	20	65	98	102	31	316			
North Basin	0	11	46	63	58	18	196			
NorthWest Basin	0	0	10	46	40	15	111			
North Peaks	0	5	2	4	15	3	29			
CHIMNEY TOTALS	0	899	2,685	2,921	2,275	737	9,517	9,517	12%	
DAICEY POND:										
Niagara Falls	153	762	1,291	1,346	881	437	4,870			
Daicy Pond Nature Trail	13	43	71	108	94	56	385			
Lost Pond Trail	16	21	9	23	28	9	106			
Sentinel Mt. Trail	0	0	16	17	14	0	47			
A.T. to Katahdin Str.	4	17	94	136	143	70	464			
Daicey to Grassy	0	13	17	29	16	27	102			
Daicey to Elbow	0	10	6	14	10	14	54			
Daicey to Kidney	0	0	0	0	0	0	0			
Kidney/Lily Pad	0	3	26	18	8	2	57			
DAICEY TOTALS	186	869	1,530	1,691	1,194	615	6,085	6,085	8%	
KIDNEY POND:										
Double Top	2	15	100	80	43	66	306			
Sentinel Mountain	30	79	226	254	102	93	784			
Rocky Pond	61	74	134	128	65	17	479			
Draper Pond	4	18	37	16	30	26	131			
Kidney Pond Circuit	2	7	12	41	17	0	79			
Celia & Jackson	8	42	32	34	42	8	166			
WindyPitch/Niagara/ Lily	2	6	18	23	22	5	76			
Slaughter Pond	5	23	45	32	36	22	163			
KIDNEY TOTALS	114	264	604	608	357	237	2,184	2,184	3%	
RUSSELL POND:										

BAXTER STATE PARK**Dudley Trail closed in 2018.****2018 TRAIL USE SUMMARY -****REGISTERED HIKES PER PERSON PER TRAIL**

	MONTH							TRAIL AREA	% OF TOTAL
	MAY	JUN	JUL	AUG	SEPT	OCT	TOTAL		
Russell Pond Trail	0	30	38	52	42	14	176		
Wassataquoik Stream	14	84	116	149	116	43	522		
Pogy Notch Trail	23	15	23	40	36	12	149		
Wassataquoik Lake	33	63	75	181	151	37	540		
North West Basin Trail	3	43	75	82	74	13	290		
Grand Falls Trail	6	7	44	48	45	16	166		
Lookout Trail	11	5	22	21	13	5	77		
North Peaks	2	18	16	10	20	5	71		
RUSSELL TOTALS	92	265	409	583	497	145	1,991	1,991	2%
TROUT BR FARM:									
Horse Mountain	0	29	56	131	57	9	282		
Five Ponds	0	67	96	138	60	28	389		
Fowler Pond	0	95	111	82	25	12	325		
Freezeout	0	16	26	23	43	39	147		
Frost Pond	0	16	17	16	3	0	52		
Trout Brook Mountain	0	31	93	181	62	14	381		
Wadleigh Brook	0	5	5	24	13	0	47		
TROUT BR. TOTAL	0	259	404	595	263	102	1,623	1,623	2%
MONTHLY TOTALS	1,785	11,220	21,140	23,751	16,656	6,385	80,937	80,937	100%
% OF TOTAL	2%	14%	26%	29%	21%	8%	100%	100%	

Appendix B

2018 BUDGET

2018 DISBURSEMENT FROM TRUST

<u>MONTH</u>	<u>AMOUNT</u>
July 2017	\$300,000
August 2017	\$300,000
September 2017	\$210,000
October 2017	\$300,000
November 2017	\$300,000
December 2017	\$230,000
January 2018	\$90,000
February 2018	\$90,000
March 2018	\$70,000
April 2018	\$40,000
May 2018	\$40,000
<u>June 2018</u>	<u>\$40,000</u>
Total	\$2,010,00

2018 EARNED REVENUE

EARNED REVENUE	CODE	ACTUAL FY2015	ACTUAL FY2016	ANNUAL FY2017	% OF FY17	ANNUAL FY2018	% OF FY18
SPECIAL LICENSE & LEASES	1448	104	(2)	100	0%	50	0%
EARNINGS ON INVESTMENT/Cash pool	2105	2,920	5,169	3,000	0%	3,000	0%
RENT OF LANDS	2601	2,501	2,500	2,500	0%	2,500	0%
RECREATIONAL USE OF PARK	2610	823,160	944,767	850,000	27%	850,000	25%
TRANSFERS	2616	5,646	6,811	5,500	0%	6,000	0%
ENTRANCE FEES	2618	136,746	212,773	136,000	6%	190,000	4%
REFUNDS & DUPLICATE FEES	2620	(11,104)	(9,858)	(3,000)	0%	(5,000)	0%
MISC SERVICES & FEES	2637	57,798	64,576	52,000	2%	60,000	2%
SALE OF MAPS & BOOKS	2657	42,148	41,817	40,000	1%	42,000	1%
CASH OVER/SHORT FOREIGN EXCHANGE	2689	110	109	(100)	0%	100	0%
CONTINGENCY FROM ENTERPRISE FUND(SFMA)	2722	177,304	121,646	125,000	3%	175,000	4%

CONTINGENCY FROM BAXTER TRUSTS	2724	1,961,700	2,050,000	2,010,188	58%	2,010,000	59%
CONTINGENCY FROM STATE HELD TRUSTS	2724A	194,929	92,571	175,000	3%	175,000	5%
SALE OF EQUIPMENT	2806	4,100	1,070	2,500	0%	2,000	0%
SALE OF AUTOS	2821		0	0	0%	0	0%
TOTAL EARNED REVENUE		3,398,062	3,533,949	3,398,688	100%	3,510,650	100%
BALANCE FORWARD		408,868	446,000	378,548		560,462	
UNEARNED (Donated) REVENUE							
SMALL DONATIONS (<\$1000)	2686A	3,153	3,683	5,000		5,000	
LARGE DONATIONS (>\$1000)	2686B	140,000	270,000	260,000		322,000	
TOTAL UNEARNED REVENUE		143,153	273,683	265,000		327,000	
TOTAL REVENUE		3,950,083	4,253,632	4,042,236		4,398,112	
EXPENDITURES BY GROUP							
PERSONAL SERVICES		2,435,999	2,566,343	2,637,061	65%	2,676,548	65%
ALL OTHER		905,086	1,016,282	1,184,175	26%	1,215,264	29%
CAPITAL		278,476	351,548	221,000	9%	506,300	5%
TOTAL EXPENDITURES		3,619,561	3,934,173	4,042,236	100%	4,398,112	100%

2018 ANNUAL BUDGET

	ACTUAL BUDGET FY15	ACTUAL BUDGET FY16	ANNUAL BUDGET FY17	ANNUAL BUDGET FY18
3000 PERSONAL SERVICES				
3110 Perm Regular	746,737	768,250	944,281	938,087
3120 Perm PT B		(100)	18,023	17,136
3180 Perm Vac	71,111	58,662		
3181 Perm Hol	48,660	45,225		
3182 Perm Sick	15,738	40,576		
3185 Perm Vac Pay Retire				
3195 Attrition	0		(25,658)	(25,947)
3210 Limited Period Regular				
3280 Limited Period Vacation				
3281 Limited Period Holiday				

3282 Limited Period Sick				
3310 SSNL REG	417,844	464,669	559,919	582,753
3380 SSNL VAC	31,858	33,255		
3381 SSNL HOL	22,189	23,569		
3382 SSNL SICK	21,348	18,967		
3410 PROJ REG	5,328			
3450 REG ACTG	13,726	5,204		
3480 PROJ VAC		359		
3481 PROJ HOL	855			
3482 PROJ SICK	285			
3611 STAND O/T	4,695	8,873		
3612 PREM O/T	8,082	16,940		
3616 RETRO LUMP	2,640	7,608		
3618 RETRO 84				
3620 Retire Incentive				
3621 STP RC/RT	4,650	5,188	4,957	5,151
3623 I.T.TRAINING STIPEND				
3631 LNGVTY PY	8,705	8,278	10,326	8,585
3634 CALL OUT	194	231	0	0
3636 Court Pay	74	0	0	0
3638 SHFT DIFF	753	808	4,554	4,464
3641 NSTND DIF	54,013	55,044	61,816	65,448
3648 Comp U/P No Retirement	10,942	17,883	0	0
3810 UNEMP CMP	50,752	43,178	46,000	46,000
3899 ACCRUED PAYROLLS				
3901 HLTH INSR	347,047	341,550	387,860	394,007
3905 DENTAL IN	11,948	11,266	13,805	11,878
3906 EMPLOYEE HLTH SVS/WC	418	418	0	0
3908 ST RET HL	189,329	156,018	166,346	171,212
3909 ST RET AD				
3910 EMPR RTMT	80,546	120,985	121,088	108,015
3911 EMPR GROUP LIFE	7,829	8,037	9,290	10,364
3912 EMPR MED	20,097	21,853	22,047	22,886
3959 RUL-BPR	69,410	80,455	87,456	86,154
3960 RUL-REG	167,579	202,944	204,951	230,355
3971 UNIFORM	617	150	0	0
3973 CHILD CARE				

3978 INTEREST DUE EMPLOYEES				
	2,435,999	2,566,343	2,637,061	2,676,548
	ACTUAL BUDGET FY15	ACTUAL BUDGET FY16	ANNUAL BUDGET FY17	ANNUAL BUDGET FY18
All Other				
PROFESSIONAL SERVICES				
4003 Act/Audit Service				
4015 Casual Labor	99,704	174,278	288,825	289,025
4016 Art /Graphics	0	0	200	200
4041 Laundry Services	0	0	100	200
4042 Legal Services	0	0	100	100
4046 Medical Services	587	582	1,500	700
4099 Professional Services	226,424	224,283	243,030	286,630
PROFESSIONAL SERVICES STATE				
4106 Lab Services	22	22	1,000	1,000
TRAVEL IN STATE				
4270 In-State Mileage	694	564	2,000	1,000
4271 Other Transportation	0	0	200	0
4273 Lodging	1,690	379	2,403	1,000
4274 Meals/Gratuities	5,030	5,206	5,000	5,000
TRAVEL OUT OF STATE				
4380 Out of State Mileage				
4381 Other Transportation (out of state)	36	19	3,000	50
4383 Lodging (out of state)	391	541	1,000	600
4384 Meals/Gratuities	0	0	224	0
VEHICLE OPERATIONS				
4402 Gas/Oil	51,306	37,860	64,000	40,000
4403 Diesel Oil	785	6,970	10,000	7,000
4423 Repairs Parts/Supply	30,531	33,104	25,000	35,000
4424 Repairs Snowmobile	3,392	3,574	7,000	4,000
UTILITIES SERVICES				
4521 Electric	14,092	13,617	14,500	14,500

4532 Bottled Water	0	260	500	300
4536 Other Utility	2,516	2,575	4,000	2,600
4551 Freight	4,060	4,107	5,000	4,200
RENTS				
4601 Rent Land	500	2,000	500	750
4602 Rent Plane	0	195	1,400	300
4616 Rent Misc. Office Equipment	0	0	200	0
4661 Rent Equipment	0	1,010	500	500
REPAIRS				
4711 Repair Building	20,874	23,438	25,000	25,000
4721 Repair Small Engine	1,735	4,518	2,000	2,000
4726 Repair Radios	1,107	1,711	2,000	2,000
4735 Maintenance Agreements	6,974	6,550	7,000	7,000
4751 Misc. Repairs	1,198	4,946	3,000	3,000
INSURANCES				
4801 Insurance Building	0	3,204	2,500	3,000
4811 Insurance Equipment	290	290	300	300
4825 Insurance General Liability	4,107	4,432	4,300	4,300
4827 Snowmobile Ins	0	4,062	1,400	1,400
4841 Employees Bond	120	120	200	200
4845 Workers Comp Ins.	25,148	41,061	44,000	66,000
4851 Mis Insurance	0	400	600	600
4852 Auto Insurance	8,645	4,318	9,000	6,000
4880 Eye Exam	150	150	250	150
4881 Lens Stat	0	150	250	250
GENERAL OPERATIONS				
4901 Stamps/Parcel Post	45	0	50	0
4909 Courier Service	0	0	0	0
4911 Metered Postage	6,711	4,815	5,000	5,000
4913 Inter Government postage	42	28	50	50
4929 Printing/Binding	18,318	19,579	18,000	18,000
4941 Print Report (State of Maine)	0	0	0	0
4946 Advertisement Notices	2,238	5,153	2,300	2,300

4955 Credit Card Charges	12,815	15,319	14,000	16,000
4975 Sales Tax	67,011	74,561	71,000	74,000
4982 Subscriptions	189	1,904	200	200
4995 General Expenses	43,431	17,341	30,000	30,000
CAREER DEVELOPMENT				
5013 Employee Training	3,774	11,741	14,000	14,000
Training budget for I&E	0		500	500
Training budget for SFMA	0		500	500
Training budget for Bus Dept	0		500	500
FUEL				
5201 Fuel oil/pellets	9,344	7,006	14,000	9,000
5202 LP Gas	5,909	3,640	9,000	6,000
INFORMATION TECHNOLOGY				
5300 Technology			500	
5301 OIT Prof services	0	1,040	1,454	
5302 Telephone/Data	36,854	17,609	10,686	12,910
5304 Cellular Phones	12,815	13,895	14,000	13,742
5310 Other Services	242	90		1,804
5315 GIS Services		2,606		2,215
5331 Network Access	1,414	5,902	5,655	11,391
5346 PC & Network software	275		2,685	
5370 Minor IT Equipment			4,000	
5380 Subscription- PC/Laptop	113	414	450	
5381 Support - PC/Laptop	131	486	524	
5382 File Services	1,639	3,176	137	3127
5383 Email	799	3,288	2,340	603
5386 Mobile Data Device/Connection	553	1,873	419	
CLOTHING				
5401 Clothing	10,141	16,346	15,000	15,000
OPERATING SUPPLIES				
5602 Office Supply	8,325	12,719	8,000	8,000
5611 Interpretation/Education	386	583	1,000	1,000
5629 Books & Maps for Resale	19,621	25,222	20,000	20,000

5636 Miscellaneous Supply	31,779	46,225	45,000	45,000
5650 Misc. Minor Equipment	37,190	39,383	41,600	44,600
HIGHWAY MATERIALS				
5812 Culverts	0	2,785	6,000	3,000
5861 Signs	374	512	2,276	600
STA-CAP	60,500	50,545	40,367	40,367
Total All Other	844,586	965,737	1,143,808	1,174,897
Total All Other & Sta-cap	905,086	1,016,282	1,184,175	1,215,264
Capital				
7001 Land				
7101 Bldg./Improvements	232,166	311,805	210,000	374,300
7200 Equipment				
7203 Data Processing Equipment				
7211 Motor Vehicle Transportation	46,310	39,743		
Dump Truck				45,000
New				
Used				75,000
Snowmobiles			11,000	12,000
Total Capital	278,476	351,548	221,000	506,300
All Totals	3,619,561	3,934,173	4,042,236	4,398,112
	ACTUAL BUDGET FY15	ACTUAL BUDGET FY16	ANNUAL BUDGET FY17	ANNUAL BUDGET FY18
4015 Casual Labor Detail				
A. I&E Wilderness Ed Interns	21,600	23,960	28,800	28,800

B. AT Trail Steward	7,800	7,680	7,800	8,000
C. Trail Interns	60,000	0	0	
D. Trail Interns Stipend	2,500	0	0	
E. MCC trail crews	22,500	125,000	237,000	237,000
F. MATC cost share	5,625	5,625	5,625	5,625
G. SFMA summer interns	6,000	8,000	9,600	9,600
Totals	126,025	170,265	288,825	289,025
4099 Professional Services Detail				
A. Janitorial	16,237	16,393	16,000	16,000
B. Rubbish Removal	12,348	13,663	14,000	14,000
C. Vault Pumping	6,424	7,340	6,000	6,000
D. Forest Management (SFMA-FSC)	5,779	9,595	8,000	5,000
E. Road Const/Maint.(SFMA)	31,228	38,657	40,000	40,000
F. Engineering Cost	7,920	4,061	5,000	15,000
G. ADA Contracted Services	0		5,000	5,000
H. Campground Firewood	35,211	38,273	35,000	35,000
I. Mowing for Patten repeater	230	230	230	230
J. Contract workers	10,802	5,723	8,000	8,000
K. HQ Lawn Services	2,204	1,440	1,400	1,400
L. Audio/video Productions	0	0	1,000	1,000
M. BSP Road Maintenance	58,445	55,008	65,000	65,000
O. Tech Support	15,615	13,744	21,000	44,000
S. Snow Plowing	5,795	1,040	8,500	14,000
T. Monitoring Surveys	0	0		5,000
U. Archivist		0		4,000
V. Saw Mill Services	11,987	4,936	8,000	8,000
W. Website maintenance	900	900	900	
		0		
Totals	221,125	211,003	243,030	286,630
5650 Misc. Minor Equipment Detail				
General Equipment line	28,048	23,702	15,000	15,000

A. Radios 100 Watt (vehicle)	0	0	1,000	1,000
B. Radios 45 (camp)	0	1,141	1,000	1,000
C. Hand Held Radios				500
D. Wood Stoves (2)	1,714	0	2,000	2,000
E. Refrigerators (2)	1,950	2,020	2,000	2,000
F. Hot Water Heaters				1,500
G. Computers/printers	4,246	6,072	8,000	8,000
H. Canoes	0	0	1,000	1,000
I. Fire Equipment	765	2,315	600	600
J. Med. Equip/SAR	0	0	3,000	3,000
K. Vault Caps	0	0	2,000	3,000
L. Law Enforcement	2,392	1,414	4,000	4,000
M. Safety			2,000	2,000
Totals	39,115	36,664	41,600	44,600
7000 Capital Detail				
	ACTUAL BUDGET FY15	ACTUAL BUDGET FY16	ANNUAL BUDGET FY17	ANNUAL BUDGET FY18
7101 Building/Improvements				
FY15				
HQ siding replacement (phase 2)	37,346			
Abutment replacements (Kidney Pd Bridge)	124,540			
KPRC- septic system install	9,000			
KPRC - well drilling	2,600			
Solar system upgrades (existing BSP)	0			
VC parking lot repave	5,000			
Trapper John- install metal roof	0			
Culvert replacement (annual)	0			
Gravel screen/prep (biennial)	55,320			
Roadside brushing	9,600			
Storehouse extension	20,836			
7211 Motor Vehicle Transportation				
used 2wd campground truck	11,769			
Gem car	3,700			
Replace for 54	23,239			

Snowmobile (1)	11,401			
Totals	314,351			
7101 Building/Improvements				
FY16				
Abol Trail Relocation Project		135,000		
Roadside Ditching		0		
Roadside Brushing		12,785		
Tote Road Culvert Replacement		17,340		
Togue Pond Solar		22,980		
Storehouse Expansion		32,243		
Kidney Ranger Camp		39,251		
HQ siding and Roof Replacement		0		
Replace fencing		10,073		
Replace flooring at HQ upstairs		6,924		
Payment for New Reservation System		30,000		
Set for AT Kiosk		4,920		
NES Bunkhouse		10,800		
Repair to HQ bathrooms		8,336		
Install Fire Alarm in HQ		4,038		
7211 Motor Vehicle Transportation				
Vehicle Replacement		19,628		
Used Vehicle		16,985		
Snowmobile (1)		0		
Totals		371,303		
7101 Building/Improvements				
FY17				
Roaring Brook Culvert			165,000	
TBF hiking bridge			8,000	
SFMA pre-commercial thinning			10,000	
Website renovation			19,000	
Reservation system updates			8,000	
7211 Motor Vehicle Transportation				
Snowmobile (1)			11,000	
Totals			221,000	

7101 Building/Improvements				FY18
FY18				
LIDAR				25,000
TBF Hiking Bridge				20,000
SFMA pre-commercial thinning				10,000
Brush Cutting				10,000
Roof Replacements**				44,000
Expanding Parking lot and replace fence				25,000
Radio/ Solar Upgrades				30,000
Kidney Pond Office Building Replacement				15,000
Bridge Sections				32,000
Northend Camps				70,000
Paving for Storehouse Driveway/HQ				12,000
New Snow Plow				7,000
BSP website/upgrades				68,300
Installation of heat strips HQ				6,000
7211 Motor Vehicle Transportation				
Dump Truck				45,000
Used Vehicles***				75,000
Snowmobile				12,000
Total				506,300
**Roof Replacements FY18				
North Branch camp				7500
Togue Pond Ranger camp				7500
Trout Brook Ranger camp				12000
South Branch Garage				5000
Abol Field camp				12000
Total				44000
***Vehicles to replace				
Chev Silverado 2500 #11 (4x4)				
Chev Silverado 1500 #10 (2x4)				
GMC Sierra 1500 #5 (2x4)				

Donations to Baxter State Park

JANUARY - DECEMBER 2018

PAYER / PAYEE	DEPOSIT / PYMT DATE	CHK #	AMOUNT
DONATIONS UNDER \$1,000			
Anonymous - Field Locations			
	05/18/18		\$ 96.50
	05/18/18		\$ 263.17
	05/18/18		\$ 35.00
	07/19/18		\$ 86.00
	07/19/18		\$ 246.55
	09/13/18		\$ 159.71
	09/27/18		\$ 477.00
	10/30/2018		\$ 310.70
	12/04/18		\$ 219.50
Total			\$ 1,894.13
Anonymous - Reservation Office			
	05/18/18		\$ 14.00
	05/18/18		\$ 4.00
	05/18/18		\$ 1.00
	05/18/18		\$ 15.00
	07/19/18		\$ 4.00
	09/13/18		\$ 125.00
	09/27/18		\$ 47.00
	10/30/18		\$ 81.00
	12/04/18		\$ 19.75
Total			\$ 310.75
Individual Donations			
James Garland	04/09/18	5859	\$ 500.00
David Bourg	05/18/18	3099	\$ 100.00
Hulick	07/11/18		\$ 500.00
James Lowe	11/26/18	1183	\$ 500.00
Abbott	12/14/18	1224	\$ 100.00
Total			\$ 1,700.00
Total Individual Donations			\$3,904.88
DONATIONS OVER \$1,000			
Wilderness Fund	02/14/18	2006	\$ 80,500.00
Wilderness Fund	04/05/18	2007	\$ 80,500.00
Wilderness Fund	06/26/18	2008	\$ 84,000.00
Wilderness Fund	10/01/18	2009	VOIDED
SFMA account	10/23/18	1204	\$ 84,000.00
Edward Hawkins	11/05/18	422	\$ 5,000.00
Wilderness Fund	11/23/18		\$ 84,001.00
Wilderness Fund	11/24/18		\$ 83,999.00

Total			\$ 502,000.00
Total Income			\$ 505,904.88
WILDERNESS FUND TRANSFERS to BSP			
Wilderness Transfer	02/01/18	303	\$ 80,500.00
Wilderness Transfer	02/26/18	304	\$ 80,500.00
Wilderness Transfer	04/20/18	305	\$ 80,500.00
Wilderness Transfer	07/11/18	306	\$ 84,000.00
Wilderness Transfer	10/16/18	307	\$ 84,000.00
Wilderness Transfer	11/23/18	308	\$ 84,000.00
Total			\$ 493,500.00
DONATION PURCHASES			
Search and Rescue Equip	02/01/18		\$ 3,639.25
Total			\$ 3,639.25
Total Expenses			\$ 497,139.25
Net Ordinary Income			\$ 8,765.63
OTHER INCOME/EXPENSES			
Interest	1/21/2018		\$ 11.55
Interest	2/28/2018		\$ 2.52
Interest	3/31/2018		\$ 1.80
Interest	4/30/2018		\$ 4.15
Interest	5/31/2018		\$ 0.27
Interest	6/30/2018		\$ 1.31
Interest	7/31/2018		\$ 4.49
Interest	08/31/08		\$ 0.39
Interest	9/30/2018		\$ 0.40
Interest	10/31/2018		\$ 1.78
Interest	11/30/2018		\$ 7.92
Interest	12/31/2018		\$ 11.95
Total Interest Income			\$ 48.53
Total Other Income			\$ 48.53
Net Other Income			\$ 48.53
Net Income			\$ 8,814.16