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BAXTER STATE PARK 1992 ANNUAL REPORT



BAXTER PARK AUTHORITY:

JOHN H. CASHWELL, Chairman Director, Maine Forest Service

WILLIAM J. VAIL .

1992

oner, Inland Fisheries and Wildlife
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Respectfully submitted: IRVIN C. CAVERLY, JR. Director, Baxter State Park April 15, 1993

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A. DIRECTOR'S 1992 SUMMARY Irvin C. Caverly, Jr.

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DIRECTOR'S 1992 SUMMARY

First Day

1992 got off to a good start with nearly 230 people applying for reservations for the 1992 camping season. Over 1/2 dozen clerks worked on the counter on January 2, collecting over \$37,000 in cash as well as securing nearly an additional \$53,000 which came in the mail. Total income for the day was \$90,015. Although the current economy may be a consideration in people's minds regarding vacations, it certainly has not been a factor for Baxter and the record speaks well of people's appreciation and value of their vacation at BSP. Interesting enough, very few complaints were received on the substantial fee increases which were implemented on January 1st.

We also appreciate the patience of the number of people who showed up on January, and their cooperation and understanding in helping us wade through the volume of work during the process which was extremely time consuming. By day's end, we had taken care of every individual who had come to our door. My compliments to all staff members who were extremely effective, diplomatic and professional. They were on their feet from early morning throughout the day. The lunch break was short and inadequate, but I did not hear a single complaint. They are a dedicated bunch and I count my blessings each day they make up our team. This is a group of people who help to make our Park successful.

On January 6, Jane Thomas provided me with a complimentary copy of Chimney Pond Tales which she and Beth Harmon had authored. I congratulate the 2 of them for their commitment in putting this most interesting book together. For those of us who had heard many of the Dudley stories passed on by others, it is an extremely entertaining and fun time to sit and read them directly from the words of Roy himself through people who knew him first hand. The book is available here at Park Headquarters and many of our visiting guests will comment on how much they enjoy it. It's a nice addition to the BSP inventory.

Low Level Flights

In the early part of 1992, we were informed by the Department of the Air Force that they were considering low level flights over northern and western Maine, including routes crossing BSP. Baxter Authority Park Chairman John Cashwell corresponded with the military on behalf of the Authority, expressing his concerns about the proposal as did Jane Thomas, Chair of the BSP Advisory Committee. On March 31, 1992 I appeared at the public hearing at the Northern Maine Technical College in Presque Isle and testified in opposition to the proposal. The hearing was well attended and evidently our concerns were heard, because on July 7, 1992 we received a note from the National Guard Bureau repre-

senting the Department of the Air Force advising us that our comments had helped improve the environmental impact statement, consequently the Air Force/National Guard "intends to maintain a minimum altitude of 2,000 feet above ground level over wilderness areas and designated wildlife refuges"... This was a perfect example we have of how we were able to make a difference by communicating. My thanks to Authority, Advisory, Volunteer John Gondek, staff and many others who assisted in providing information and responding to this subject. Find in the Appendix section of this report my public statement at that public hearing in its entirety.

National Historical Register

Early on this year, I received a notice from George Kerivan, a high school history teacher from Harvard, MA, of his interest in including Daicey and Kidney Pond Camps on the National Historical Register certification list. After I received his original request, I did considerable research on the appropriateness of that proposal and concluded it would be inappropriate to set a precedent. As we looked into the deeds of trust and the overall objectives of the Park as they relate to management, it was clear that the Authority should not be impaired by the involvement by another layer of government. Paul Stern, Legal Counsel to the BSP Authority, also researched that issue and supported my conclusion in a written statement that he sent to the National Historical Register. In May of this year at the BSP Authority meeting, the Authority voted unanimously "at this point in time, that we not recommend the camps be included in the National Historical Register."

Removal of Russell Pond Camp

In 1883 Tracy and Love commenced operations on the Wassataquoik Stream, and established Old City Camps, just below Grand Falls. A few years later that area known as Old City was destroyed by fire. The camps were rebuilt and called New City north of Grand Falls between Turner Brook and the Wassataquoik Stream. also burned years later. In about that time period, Tracy and Love dissolved partnership and young Bill Tracy constructed a set of sporting camps on the shore of Russell Pond. Those buildings consisted of the diningroom, kitchen facility, a staff cabin, livestock hovel, sawmill powered by a "one-lunger" near the dam at Turner Dead Water and 6 cabins located on the west and northwest shore of Russell Pond. Around 1941 former Governor Percival Proctor Baxter purchased lands within T4R9 which included Russell Pond and Tracy's camps. Bill Tracy was appointed campground ranger. The arrangement was short-lived and in 1948 Bill Tracy moved out and Park staff were sent to Russell Pond to dismantle the majority of the cabins, retaining only the dining and kitchen facility which became the Ranger camp, the staff cabin which became an 8-person bunkhouse and the old hovel as a workshop. After removal of the cabins, staff constructed 4 lean-tos, 2-4 person, 1-6 person and 1-8 person lean-to. tentsites were also constructed and the title of Tracy's camp at

Russell Pond was to be known from then on as Russell Pond Campground. Ralph Dolley was the first Campground Ranger after Bill Tracy. He served until 1960 when I was appointed to replace him.

Until this year, the existing building had served the Park in several different capacities. In 1972 a Ranger camp was built on the west shore of Russell Pond. The old Ranger camp became a 12 person bunkhouse, the old bunkhouse became a workshop and the hovel was dismantled. Park Carpenter Gerald Merry, Ranger Barry MacArthur and Campground Ranger Roger Chase accomplished this The following year a task with total professionalism and pride. new bunkhouse was constructed near the new Ranger camp. building was used for a couple of years prior to being converted to a crew camp facility for the Assistant Campground Ranger. Subsequently a new bunkhouse was built back on the southeast side of the pond at the site of the old hovel. Upon completion of that building, the workshop was dismantled. Consistent with our goals to minimize the number of buildings at Russell Pond, we had now replaced all of the obsolete buildings with new facilities. The leant-tos had been upgraded and the only remaining need was to construct a workshop. This was accomplished in 1991. April 10 and 11 I personally joined a work crew with the objective of removing the last remaining camp at Russell Pond from the Bill Tracy era. The task was accomplished within the 2day period with the assistance of the people at the Asbestos Division of the Bureau of Public Improvement and assisted by the Maine Army National Guard in transporting people and equipment to After the hazardous material had been accomplish the task. removed, contained and transported out of the Park, we took necessary precautions with adequate snow cover and burned the camp. It was a humbling moment for me personally, because that was the facility that I lived in for 4 years when assigned to Russell Pond in the spring of 1960. Jan and I were married in 1963 and it was that camp that served as our home prior to moving to Katahdin Stream. The reason for my elaboration on this subject is my concern that the history of the buildings and the area may be lost if not documented. I hope this sequence of events will be helpful to those interested in this subject now and in years to come. Our activities on April 10-11, 1991 marked the end of an era, the era of Bill Tracy and his Russell Pond sporting camp as well as the end of the Tracy and Love lumbering era which began in October of 1883. Nearly 100 years later, the last camp from this era was gone, and the new years of Russell providing a backpack camping experience Campground continued, as was envisioned by Percival P. Baxter when he purchased that land in 1941.

Civilian Conservation Corp

On May 23 Bob Chenevert and members of the Chapter 111 Civilian Conservation Corp visited BSP for their Chapter meeting and a day's outing. Most of these people are in their senior years and shared a lot of reminiscing and history about our Park and their association with the road system within the Park. I was honored

and delighted to have the opportunity to host this meeting and to see these constructive Maine citizens come back and enjoy their Park and view the work that they accomplished in the 1930's. My sincere thanks to John Howard, John Loyd and Frank Clukey for their assistance in putting on the meal and accommodating the needs for this occasion. They, themselves, truly are pros and their continued help and support is what makes these occasions go so well.

George Murray Request

In early June, I received a request from George Murray, a resident of St. Petersburg, FL, but originally from the Town of Millinocket. George asked for my assistance in providing him cabins at Kidney Pond. In addition to the cabin, he needed some consideration in handicap accessibility. George's story is a well-known story within the Town of Millinocket as he was seriously injured in a hunting accident as a young man which had caused him to be limited in the years since. He has made outstanding accomplishments in cross-country wheelchair competition. I responded to George's request on June 12 and, with the cooperation of Steve and Gladys Buzzell as well as other Park staff, we were able to accommodate his request at Camp Nick. George, wife and company had a great visit to the Park and we were glad that we were able to assist him.

Former BSP Authority Chair Jim Tierney Visits

I am pleased to report that former BSP Authority Chair/member Jim Tierney continues an active and interest role in our Park. He and his family visited on several occasions during the season. We shall always be grateful to Jim for his support and for his love for the environment of which our Park represents. The trails are always happy when Jim and Sue are along.

Ellen Duff and Her Hearing Guide Dog

On July 30 I responded to a request from Ellen Duff for reservations accommodations in which she advised that she would be bringing her certified hearing guide dog with her. She and her mother planned to come to the Park during the last week of August. We responded to her request with all appropriate information and I trust she had an enjoyable visit to BSP.

Camp Trip Leader Workshop - Chewonki at Wiscassett

On August 14 I was honored to be invited to speak to a group of Trip Leaders and Youth Camp Directors at Chewonki in Wiscasset. There was good interaction among the group. The general discussion following the presentation was a pleasure for me because we talked about our Park and the many achievements of former Governor Baxter.

Day with Senator Andrew Winegard

On August 18 I had the pleasure of spending the day with Senator Andrew Winegard and his wife of the State of Maryland visiting and showing them BSP. The Senator has been a very active member on environmental issues in Maryland and has demonstrated a lot of interest in the principals, objectives, operations and deeds of gift of BSP. He is an ally in the national arena of resource management and stewardship and it was great to have him as an admirer of our Park. We appreciate his interest and support.

Hornet Sting Incident

We were delighted we made it through August - not quite! On August 20, 2 small children 4 and 5 years of age walked into a hornets' nest at Kidney Pond Camps. One was stung over a dozen times and the other a half dozen. Each suffered allergic reactions causing swelling, rashes such as hives and fatigue. After preliminary treatment, I transported them from Kidney Pond to Togue Pond Turn under emergency conditions at which point we met the Millinocket ambulance who provided additional treatment and transportation to the Millinocket hospital. I had several nice letters from the girls and their folks after the recovery period. They were doing fine and had become effective nurses themselves in providing medical services and treatment to their dolls and other stuffed animals. Ashlea and Abbie are very special little girls and I think they will be good Ranger material in another 15-16 years.

Tourism Bureau Meeting

On August 20 BSP was pleased to host a meeting with the Maine Tourism Bureau at Kidney Pond Camps. Nancy Pray and Peter Daigle had coordinated arrangements with me and invited me to make opening remarks. I accepted the invitation and enjoyed the opportunity to work with Nancy and Peter and to meet the many people from all over the State who attended. From all reports they had a successful session and appreciated the opportunity to hold their meeting in their Park.

National Association Secretary of State Conference

Also during August I was invited to be a guest speaker at a registration reception suite in Portland for the National Association of Secretary of State Conference. This was in response to a request by Bill Diamond. It was a good time and I was personally grateful for the opportunity to meet many dignitaries from other states. About 50 people attended and we had fun talking in a relaxed atmosphere about beauties, wonders, goals and uniqueness of our beloved BSP.

Harley Freedman Request

On August 21 I responded to a request from Harley Freedman of Sudbury, MA. Harley advised that he had spent the last 3 years'

summer vacation camping, hiking and paddling in the northern portion of BSP.. He says "I'm certain you have heard many wonderful stories from scores of happy campers, but I feel mine is unique because I've done all this from a wheelchair." relates the story as follows: "As a youngster I spent every summer hiking the mountains of New England while attending YMCA As a teenager I would hop on a bus from my home near Boston, to spend days hiking the White Mountains. By the time I reached my early twenties I had climbed forty of the forty-six 4000 footers, many several times. Then, at the age of 23, I was involved in an auto accident while traveling as a passenger in a As a result I became a quadriplegic, unable to friends car. walk, with limited use of my hands. My love for the mountains seemed like a long forgotten dream. After many years of rehabilitation, and the support of some dear friends, I was able to return to my beloved mountains. Using a specially modified wheelchair, and the assistance of friends I am once again hiking and enjoying the wilderness.

Which finally brings me to my reason for writing this letter. would like to secure your permission to climb Katahdin sometime late in the summer of 93 with a group of experienced hikers. Our hope is to spend 1 night at Roaring Brook where the group would assemble from all over New England. The next day would be spent hiking into Chimney Pond, and sending a scouting party up the Saddle Trail to plan the next days ascent of Katahdin. The group would consist of 12 veteran hikers, including two persons trained in mountain rescue, and a physical therapist. Safety would be our first priority, with myself wearing a helmet and evacuation harness at all times. During particularly hard stretches and above treeline, both myself and the chair would be attached to safety ropes. We figured the round trip from Chimney Pond would be about ten hours, as a result we would need to stay at Chimney Pond two nights.

We realize the park is especially busy during the summer months, and two nights at Chimney Pond may be a little selfish, but considering the challenge we face in putting the first Quad on Katahdin I think my request is justified.

I hope you will consider my request and let me know your decision soon." As Harley's story was a very special one with a lot of lead time, we are going to do our best from now on to assist him in making his trip a success in 1993. His certainly is a story of inspiration which should touch us all.

AMC August Camp

The AMC made their periodic visit to their August Camp at Abol Bridge in August of 92. They have had a long standing tradition for visiting Katahdin Country in the early years, reserving and camping at Park facilities. In more recent years, they have been doing their overnight stays on the West Branch of the Penobscot. I was privileged to speak to them as a group and we even got to churn a 3-gallon churn of homemade ice cream. We shared some

wonderful stories and I appreciate their interest, support and enthusiasm for BSP. We were able to accommodate them with early confirmation of vehicle passes which they submitted a check for. We thank T. O. Wall for his thoroughness and advance notice in coordinating the agenda for the 2-week period.

SCORP Meetings

On several occasions during the summer I worked with a management team under the leadership of Steve Reiling from the U. of M. and Tom Cieslinski planner for the Bureau of Parks and Recreation. Our objective during these sessions was to identify the management goals for a state-wide outdoor recreational plan. A meeting outlining the summary of our results was held in early fall, all those results being detailed in the draft plan (see files). I thank Steve, Tom and Director Herb Hartman for the opportunity to participate.

Conservation Law Enforcement Conference

Along with Bill Vail, I participated in the first Conservation Law Enforcement conference held in Portland. I was there for 2 days and enjoyed some excellent dialogue with other representatives of our field. I commend Professor Larry Farnsworth and his people at Unity College who went to great extent to host the program. I look forward to continued participation.

BSP Water Supply

In the early spring of 1992, we were notified by Human Services that according to national regulations we must treat Park waters or remove all pumps, spring tiles and accommodations for public water supplies, and a policy statement must be issued that BSP water was open water supply and should be treated. A second option was offered, but with stipulations so severe and expensive it was not viable. Much to the disgust of many, we did what we had to do by removing accommodations and signs; subsequently many of our visiting guests were upset because they had not been notified in advance. I spoke at Kidney Pond one evening in June, or I should say everybody spoke to me about this topic and they were not happy campers. Nevertheless, we explained our position and as the summer progressed and word got out, the trails this subject got smoother.

Bill Irwin's Visit

BSP was privileged again this year to have as its guest Bill Irwin and his dog Orient. Although their schedule did not allow them the opportunity to make any backcountry trips this season, they did spend 3 days with us in revisiting old friends and reminiscing about the thru hike of 1990. We thank Bill for his continued interest and he will always be welcome as a member of the BSP family. He is a good friend and inspiration to us all.

Jan and Buzz - Russell Pond

On September 25 Jan and I met Game Warden Pilot Alan Ryder at Millinocket Lake who picked us up with his float plane and, for the next one half hour-forty minutes, flew over portions of the The morning was early, the weather was clear, the flight was smooth and the experience was humbling. What a pleasant reminder of what we represent as we view the southern portion of the Wassataquoik Valley and the summit of the Travelers. A fantastic flight wrapped up in style as Alan gracefully and smoothly dropped the pontoons onto the surface of Wassataquoik Lake. Jan and I, it was like returning home after a long trip away. Soon thereafter we had our packs on our backs and were headed for Russell Pond to spend 3 days as Campground Rangers. departing plane left the Lake, it passed overhead, water dripping from its pontoons, we both uttered a sincere and wholehearted thank you to Al for getting this trip off to a great start. is a fine pilot and the Maine Warden Service, as well as the people of Maine, can be extremely proud of his enthusiasm, work skills, pleasing personality and total professionalism. Maine Inland Fisheries & Wildlife and BSP are fortunate to have him in our areas of resource management and protection. The 3 days at Russell enabled us to hike a portion of the North Peaks Trail, the Circuit Trail to Grand Falls, Wassataquoik Stream and Russell, Six Ponds, Deep Pond, converse with campers, maintain facilities, assign facilities, collect fees and, yes, enjoy a little fishing and a lot of reminiscing. We both left the area late in the day on Sunday with a continued appreciation for the experience and opportunities that we have shared and have been privileged to serve within the capacities of BSP staff. great way to remind oneself as to what they represent, particularly when we are involved in the hustles and bustles of the dayto-day life of administration. At the same time outgoing Director of MFS John Cashwell and incoming Director Sue Bell were spending time in the north end of the Park as John was orienting Sue to the responsibilities as a member of the BSP Authority. We appreciate their interest in getting a hands-on approach to the day to day operation of the Park.

Neil Rolde/Representative Herb Adams - Baxters of Maine

Early in the summer I was contacted by Neil Rolde and advised that he and Representative Herb Adams were doing a story on the Baxters of Maine, the subjects of the story being James Phinney and Percival Proctor Baxter. Neil was doing the part on Governor Baxter and Herb on James Phinney. Consequently Neil came to the Park, spent a day with me traveling through the Park and we shared a lot of information on the BSP story as it was provided by Governor Baxter through his deeds of trust. A program was to be held at the Maine State Museum during the winter months of 1993. I appreciate Neil contacting me and the opportunity of sharing information for this story that will be for Maine people.

In August we were notified by the Bureau of Budget that they intended to take 0.9% of our budget trust funds or generated funds from the trust to supplement the General Fund in helping to offset the deficit. Despite my appeals and the opinion of 3 attorneys from the Attorney General's office, Sawin Millett advised that they would take it at the fourth quarter of 1993 unless something was done to prevent it. I immediately requested the assistance of a number of people who responded to the bugle and I am optimistic that this issue will be resolved. BSP does not impact, nor should it benefit the General Fund. Our money is Governor Baxter's money and I trust that everyone will get that message before this chapter is closed.

BSP Authority/Advisory Meeting

On October 16 the BSP Authority and Advisory met for their fall meeting at Kidney Pond Camps. The agenda was a great success and it was a productive 2-day session. At that time we bid our fairwell to Chairman John Cashwell who was moving from the position of Director of Maine Forest Service to President of Seven Islands Land Co. During John's tenure at BSP, he was a great trail builder. We thank him for all his accomplishments, hope that he returns to visit frequently and always enjoys happy trails. It was announced that Sue Bell was the next Director of MFS, replacing John and consequently becoming a member of the BSP Authority. She is welcomed with enthusiasm and we all look forward to working with her in the preservation and protection of BSP. Bill Vail was elected Chairman and continued the year in that capacity.

Togue Pond Purchase

The most exciting thing that has happened at BSP during the last 30 years is the addition of 1,046 acres of land and water on the southern boundary to our Park. Thanks to the efforts of John Cashwell, Bill Vail, Mike Carpenter, Paul Stern and the generosity of the Georgia-Pacific Corp, our Park has increased from 201,018 acres in size to 202,064 acres. It is the first piece of adjoining lands added to our Park since Governor Baxter gave the 7,000+ acres of T2R9 in 1962, at that time bringing our Park from 193,254 acres to 201,018 acres. The sale agreement was offered by GP and signed by BSP Authority Chairman William J. Vail and the Vice President of Great Northern Nekoosa Corp-GP John Rasor. The results of this agreement is the final chapter of a long and interesting story (See Annual Report 1990 and staff meeting minutes August 9, 1990 as well as other pertinent correspondence. The contract of sale signed December 16, 1992 is in the Appendix section of this report).

As we end the year and I reflect on all of these activities, I cannot help thinking that this has been a pretty tall tale, true in every respect, but one that has created many pages of what some might perceive as excessive paperwork. But I witnessed

first-hand the results of the 1967 Helon Taylor camp fire, I saw the extraordinary loss of information contained therein, witnessed Dr. John Hakola struggle over a period of several years to compile Legacy of a Lifetime. It is essential, in my view, that we document as much as we can about the details of our operations because it is this well-distributed and accountable documentation that will help future historians in maintaining ongoing history of BSP. Thanks for bearing with me and, as always, thanks for your interest and support. Happy trails always.

B. OPERATIONAL HIGHLIGHTS AND OVERVIEW Chris M. Drew, Chief Ranger

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I OVERVIEW

CHRIS M. DREW - CHIEF RANGER

BARRY MACARTHUR - PARK RANGER II - REGION 1

ROBERT HOWES - PARK RANGER II - REGION 2

PHILIP MCGLAUFLIN - MAINTENANCE SUPERVISOR

LESTER KENWAY - TRAIL SUPERVISOR

JOHN HOWARD - COORDINATOR, VOLUNTEER PROGRAM

Public contacts
Operations personnel hours
Search & Rescue
BSP Volunteer Program 9,008 total hours given by 247 volunteers

Winter of 1991-92:

- 1. There was little snow in December and January. This caused frost to go deep into the ground. This created a longer spring breakup problem on Park roads. Travel on Park roads was set back an additional 2 weeks before vehicle traffic could travel safely through the Park.
- 2. February brought in a good supply of snow as well as an increase in snowmobile violations in Baxter State Park.
- 3. Park personnel utilized the good snow cover of February and March to re-supply the Chimney Pond and Russell Pond Campgrounds and to repaint 3 miles of boundary.
- 4. Lumber was hauled into Lower Fowler Pond for spring toilet construction.
- 5. Junk watercraft (5) were hauled out of Lower Fowler Pond and Long Pond.
- 6. In Millinocket the hazardous foam lined walls and ceiling of the garage were covered with metal paneling. In order to better meet safety standards, fire doors and a smoke proof paint and chemical storage room was constructed at the supply facility.
- 7. A reorganization was planned for implementation starting in May of 1992. District lines were dissolved and various supervisory and management roles were changed to enhance better efficiency and productivity.
- 8. Commissioned Park Rangers attended a 2-day law enforcement training program at the Criminal Justice Academy in Water-ville. Training was provided by courtesy of the Maine Warden Service.
- 9. The old Ranger's cabin at Russell Pond was partially dismantled and burned.

Spring of 1992

- 1. There was substantial culvert damage and road damages due to excessive frost action. This created seasonal problems for road maintenance personnel.
- 2. For the second consecutive year, there was a severe drought in May and June. Outlying campsites were closed to fires and reservations until June 20th. A large forest fire near

Soubunge Mt. was within 5 miles of Baxter State Park.

3. All public water systems within Park Campgrounds were disconnected due to new Federal law. Signs informing all Park users to treat all water were posted at public facilities.

Summer and Fall of 1992

The spring drought was followed by a very wet summer. This influenced outdoor maintenance projects. Notwithstanding the unusually wet summer, many substantial projects were completed. Some major points of interest include:

1. The removal of 5 cabins at the Togue Pond facilities.

2. Renovating the former Maine Forest Service cabin at Togue Pond to a housing facility for gatekeepers.

3. The complete renovation of the aging Roaring Brook workshop/ woodshed facility and the installation of a day use area was completed.

- 4. The sale and distribution of firewood at accessible campgrounds for the first full season has a positive impact on Baxter State Park. There is less tree damage in camping areas as well as an increase in revenues for Baxter State Park.
- 5. The former Maine Forest Service cabin at McCarty Field was renovated for Park use.
- 6. Seventy-nine miles of Park trails were cleared of blowdowns and brush. An additional 17 miles of trail was painted.
- 7. The Chimney Pond toilet composting project is working despite the short and cold composting season.
- 8. The joining of two cabins for a better office/housing facility at Kidney Pond has made this facility more practical and efficient. Many structural improvements were made at numerous Kidney Pond cabins.
- 9. A fuel depot was made operational at Nesowadnehunk Field. The entrance was gated for security and safety purposes.
- 10. The former West Gate facility "greened" in well after last year's landscaping project.
- 11. Two large vault toilets were constructed to replace pit toilets at Daicey Pond. New toilets were built in various hike-in campsites where there were no toilets in place.
- 12. The bunkhouse at South Branch Pond has new sills installed and was structurally improved.
- 13. The planting on numerous seedlings and other landscaping improvements was completed to enhance the heavily used Katahdin Stream area.
- 14. The Carry-In, Carry-Out policy has benefited Baxter State Park by creating a steady reduction in trash disposal:
 - 1989 76.6 tons of rubbish in BSP
 - 1990 33.9 " " " " "
 - 1991 25.65 " " " " "
 - 1992 21.9 " " " " "
- 15. The monitoring of a noticeable increase in watercraft use and storage in Baxter State Park continues. There were 24 watercraft stored on Rocky Pond and 27 watercraft on the shore of Foss Knowlton Pond. Fifty-one canoes on two small ponds creates a problem with aesthetics as well as

- environmental damage. Park personnel are recommending changes in watercraft registration and policy to help alleviate excessive storage of personal equipment in Baxter State Park.
- 16. The monitoring of bear hunting activity along the Park boundary shows a heavy placement of bear baits near the game preserve boundary. Noticeably fewer bear sightings and fewer human interactions occur in Baxter State Park in the 90's as compared to the 1980's...a definite trend.
- 17. There is a major woods road development occurring on the south and east boundaries of Baxter State Park. Many miles of road are presently being constructed between the East Branch of the Penobscot River and the East BSP boundary. This created greater access to formerly pristine areas of Baxter State Park.
- 18. Waterfront stabilization caused by shoreline erosion at the Abol Scout area on Abol Pond and Foster Field (Nesowadnehunk Stream) was completed by various volunteer groups and Park staff.
- 19. There were 20 recorded search and rescue operations in 1992. A complete report is attached to the Annual Report. There were no fatalities in 1992.
- 20. Two Hundred Forty-Seven volunteers donated 9,008 hours for the benefit of Baxter State Park. We are grateful for the time and energy that these special people donate for the protection and maintenance of Park resources. Bennie Boyington, a long term volunteer and retired Forest Ranger, passed away in 1992. He will be missed by many.
- 21. 1991 law enforcement reports show that there were 40 prosecutions for violations of Park rules and regulations. Baxter State Park Rangers investigated and reported 13 automobile accidents. There were 2 reports of theft in 1992.
- 22. One bear and 5 beaver were live trapped and relocated in 1992. The bear was a nuisance animal that was live trapped at Camp Natarswi, a Girl Scout camp in T2R9 and outside of Baxter State Park.
- 23. The Chief Ranger and key Park Rangers Barry MacArthur and Robert Howes attended 69 meetings from a wide range of topics from Budget to Maintenance.
- 24. There was a increase of illegal snowsled activity in 1992. Park Ranger observations of snowmobile violations within Baxter State Park include:
 - a. January 7, 1992 Kent Stevens of Skowhegan and Todd Hews of Fairfield, Maine, violated Park regulations by snowmobiling on the Roaring Brook road.
 - b. February 3, 1992 The Wiswell winter camping party stay up at the South Branch Pond Campground reported 5 snow-mobiles in this no snowmobile zone.
 - c. March 9, 1992 The Ellis party snowmobiled from Avalanche Field to Togue Pond a no snowmobile zone.
 - d. Unlawful use of snowmobiles was observed in the Foss Knowlton - Lost Pond area (T3R10) and the
 - e. Abol Pond Abol Beach area (T2R9).
- 25. The government mandated shutdown and furlough policy has made effective Park management difficult. It has had a de-

trimental effect on employee retention. Baxter State park had a 45% turnover in campground and gate personnel in 1992. New employees had to be trained for Togue Pond (5), Roaring Brook (1), Chimney Pond (1), Abol (1), Nesowadnehunk (1) and Trout Brook Farm (1).

II PUBLIC RELATIONS

Staff from all various levels of work met daily with people either at the gate, in the campgrounds or on the trails and discussed topics ranging from proper intent of using the Park to the various options of places to see while they are here.

Time was spent with Volunteers For Peace at various locations accomplishing many tasks including cutting up, splitting and piling firewood; trail restoration at Foster Field by checking erosion on Nesowadnehunk Stream; and painting buildings at Nesowadnehunk Field.

Many hours were spent at the intersection of the Roaring Brook road and the perimeter road on high use days explaining the reasons that the Park has chosen to close the Roaring Book area to further day use.

During the winter months, patrols were concerned mainly with checking on winter parties to assure proper and safe use of winter activities.

Park operations personnel made 182,262 public contacts in 1992.

Activities included assistance at various times to people that may have had vehicle problems or may have needed extra attention for unforeseen circumstances dealing with planned trips or reservations.

Time was spent with volunteers at various locations assisting with housing and supervising different projects.

Assistance was received from Maine Forest Service delivering fire equipment and inspecting fire places throughout Park.

Emphasis was placed early in the summer season, explaining effects and reasons why a fire ban had been placed in the Park and why back-country camping had to be terminated for reservations.

Most complaints in 1992 centered on poor road conditions, biting insects, rainy weather, and large camper groups monopolizing campgrounds.

The Chief Ranger gave the following public speaking engagements in 1992:

- 1. 2/4/92 Penobscot Co. Conservation Club, Brewer, ME
- 2. 2/7/92 Boy Scouts of America Awards Program, Island Falls,

ΜE

- 3. 2/26/92 Maine Sports Outfitters, Rockport, ME
- 4. 3/4/92 Pine Tree Snowmobile Club, Milford, ME
- 5. 3/16/92 Pine Needle Club, Island Falls, ME
- 6. 4/15/92 Maine Public Service Co. Scholarship Banquet, Caribou, ME
- 7. 4/23/92 Pins Oil Co. Banquet, Rockland, ME
- 8. 7/14/92 Daicey Pond Campfire Talk, Baxter State Park
- 9. 7/16/92 Patten Masonic Lodge, Patten, ME
- 10. 9/18/92 GTE Open House, Island Falls, ME

III SAFETY

- 1. Fireplaces were inspected at all campgrounds and some back-country sites, recommendations were made and put into effect according to the requirements set forth by the Maine Forest Service.
- 2. Emphasis was placed properly assuring the safe use of the Park by its users both during the winter and the summer.
- 3. During the early summer season a fire ban was put into effect due to the lack of normal precipitation during the spring and early summer.
- 4. Fire equipment was checked by Maine Forest Service, and was
- 5. First aid equipment was requested and received at the campgrounds and was properly checked and stored for use.
- 6. Foot bridges and bog bridges were checked and repairs made as necessary.
- 7. Picnic tables were checked and repairs were made or were disposed of as necessary.
- 8. Campsites were examined and dangerous limbs or trees were removed as necessary to avoid a future problem.
- 9. Efforts have been made to assess the need for structural repairs that will have to be made during the "93" season.
- 10. Checked wood stoves and chimneys to assure safe operation; cleaning and repairing as needed.
- 11. Checked propane appliances for cleanliness and safe operation; cleaning and repairing as needed.
- 12. Fire extinguishers were checked and some added and others replaced.
- 13. Routine patrols of Park roads slowed traffic and warned violators of potential problems due to speeding.
- 14. Mountain climbers and hikers were informed daily of conditions in the Chimney Pond area and were told of impending weather conditions.
- 15. Notification was posted at various campgrounds concerning the water conditions of Wassataquoik Stream. Alternate routes were suggested depending on high water conditions.

IV NEW CONSTRUCTION

New construction was at a minimum in "92" due to a moratorium allowing only necessary improvements.

1. A new double toilet was built at Chimney Pond to replace an

older one. The new one is designed so that a composting effort will be more easily achieved. Also a single toilet was added.

- 2. Two new toilets were installed at the sites at Lower Fowler Pond. They are rustic in nature and hopefully will alleviate some of the sanitary and aesthetic conditions.
- 3. A full size toilet was constructed at the newly opened Boody Brook Campsite.
- 4. A new double vault was installed at Roaring Brook to fulfill the need for accessibility by the trail crews housed at Roaring Brook.
- 5. Started construction and roofed in a barn style building over the gas tanks at Abol pit. Completed a woodsplitter for firewood preparation.
- 6. Thirty-five picnic tables were made to fulfill the need to replace aging picnic tables in the Park.
- 7. A new outhouse was installed to accommodate users of walk-in sites 2 and 3 at Trout Brook Farm.
- 8. Installed a small day use area near the parking lot at Roaring Brook (2 tables and 2 fireplaces.
- 9. A single toilet was built at the crew camp at Russell Pond.
- 10. A single toilet was built as a replacement at site #19 at Russell Pond.
- 11. Completed construction and installation of two new toilets at Daicey Pond.
- 12. Completed installation of two new solar systems at Daicey and Kidney Ponds to provide power for campground radios.
- 13. Construction of a new log addition to join Camp Wassus and Loon Nest at Kidney Pond. This section was an "add-on" to the office facility.
- 14. Construction of new metal circular stairway in the Support Services Garage.
- 15. Constructed two sets of new racks for pickups.
- 16. Prefabricated a metal stand for "plastic banding" of firewood bundles.
- 17. Building and installing of new steel gate for the Nesowadne-hunk Field fuel depot.

V MAINTENANCE

Baxter State Park personnel did a remarkable job maintaining and preserving Park resources and facilities in 1992. It is remarkable because of shutdowns, furloughs and the reduced work week did not deter staff from fulfilling maintenance duties and project assignments. 1992 maintenance projects and activities are included in the following reports:

A. Baxter State Park trail maintenance

END OF SEASON REPORT - OCT. 26, 1992

LESTER C. KENWAY - TRAIL SUPERVISOR

Trail Supervisor

- Lester Kenway

SCA Trail Crew members:

Jonathan Andersen, East Lyme CT
Ailsa Curnow, Aberdeen, Scotland
Margaret Hahr, Whitehouse Station NJ
Elizabeth Lakin, Glenview IL
Yvonne Marlin, Quincy IL
Margaret Richel, San Antonio TX
Nikolas Rogers, Hicksville NY
Thomas Shea, Pepperel MA
Ben Silberfarb, Norwhich, VT

STATISTICS:

Trail Supervisor:

Field Work			Percent 75%
Office Support Services			15% <u>10%</u>
Tota	1	937	100%

Foot Patrol	•		43	mi.
Cleared of Blowdowns	•		56	mi.
Cleared of Brush			23	mi.
Blazed			17	mi.

Treadway Projects. 9
Bridge Projects. 4

Total Crew hours spent on trail work:

Supervisor SCA	511 2400
MCC	1533
Other Volunteers	
Freeport High School	126
Buck Volunteers	144
Neff Volunteers	48
MATC	245
Spenciner - AMC	100
Sierra Club	360
Frank Trautmann	11
Sanborn	100
Bangor AMC	70
Foster	80
Barlow	40
Dixon	40
Pepin	40
Crowe	90
Whitcomb	40
Melcher-King	80
Vol. for Peace	120
Shedd	20
Underhill	56

Total

6376 + hours

Trails Inspected:

Chimney Pond Trail Saddle Cathedral (part) Cathedral Cut-Of South Brother Lily Pad Pond Grassy Pond (part) Kidney Pond Outlet Sentinel Link Little Beaver Celia & Jackson Round Pond The Owl (part) Freezeout (part)

Sandy Stream Pond Russell Pond North Peaks Wassataquoik Stream Marston (part) Windey Pitch Pond Northwest Basin (part) Hunt (part) Rocky Pond (part) Littlefield Pond High & Long Pond Lower Fowler Pond (part) Horse Mtn.

Trails Cleared of Blowdowns:

Rocky Pond (Foster) Wassataquoik Stream (Curran) NW Basin (Curran) N Peaks (Curran) Wassataquoik Lake (Curran/Phoenix Celia & Jackson (foster) Freezeout (SCA) Marston (SCA) Mt. Coe (SCA) Slaughter (Foster) Lost Pond (Shedd) Helon Taylor (Pepin) Daicey Nature Trail (Shedd) Appalachian Trail (Trautmann) Round Pond (Underhill) North Basin Cut-off (SCA)

Grassy Pond (Shedd) Sentinel Mtn. (AMC) Lily Pad Pond (Foster) Windey Pitch Pond (Shedd) Abol (SCA) OJI/OJI Link (SCA) Kidney Pond Outlet (Foster) Draper Pond (Foster) Doubletop Mtn. (MCC) North Basin (SCA) South Turner Mt. (Pepin) Fowler Brook (Underhill) High & Long Pond (Under) Littlefield Pond (Under)

Trails Cleared of Brush:

Wassataquoik Stream (SCA) N Peaks (Sierra Club) Sentinel (AMC) Kidney Pond OUtlet Freezeout (AMC) Wassataquoik Lake (Sierra Club) Horse Mtn. (King) High & Long (King)

Abol (SCA) Grand Falls (SCA) Daicey Nature (SCA) N. Doubletop (MCC/AMC) Webster Lake (SCA) The Owl (SCA/MCC) Littlefield Pond (King)

Trails Blazed:

Sentinel (part) Colt's Point Sentinel Link

North Peaks (part) Russell Pond (part) Wassataquoik Stream (part) Kidney Pond Outlet Little Beaver Pond High & Long Pond Windey Pitch Pond Littlefield Pond Round Pond Horse Mtn. . Lily Pad Pond.

Treadway Projects:

- 1. Chimney Pond Trail: 2 waterbars and 30 feet of drainage ditch were installed near Pamola Springs. These structures serve to drain an area that is usually wet due to water entering the trail from numerous springs.
- 2. Chimney Pond Trail: 50 feet of older rock filled causeway was surfaced with gravel near Blacksmith Brook. The new surface makes the old causeway much safer to walk on, since the gravel buries numerous rolling stones.
- 3. Hunt Trail: 20 rock steps were installed on the last 500 feet of the Hunt Trail in order to control erosion on exposed alpine soils. These steps complete a long term project to protect the upper Hunt Trail from erosion and the trampling of alpine plants. The trail crew began rebuilding this trail in 1986 near Thoreau Spring and has invested considerable time on this trail over the past 7 seasons.
- 4. Cathedral Trail: 33 rock steps and 1 waterbar were installed on the topmost pitch of the Cathedral Trail. This section of trail is eroded to a width of nearly 40 feet and forms a trench over 3 feet deep. Quality rock is available nearby, so work can continue next season on this popular and heavily impacted trail.
- 5. Russell Pond Trail: 60 feet of bog bridge was installed just north of Blister Buster Hill.
- 6. Wassataquoik Stream Trail: 110 feet of bog bridge was installed 500 ft. south of the lean-tos.
- 7. Rocky Pond Trail: 310 feet of bog bridge was installed to replace old bog bridges at "Colt's Crossing". MCC provided most of the help for this project.
- 8. Marston Trail: This was the primary trail project for the MCC crew. They have made good progress towards stabilizing the eroded sections of this trail that grows more popular each year. Trail projects include: 103 rock steps placed at strategic locations, 30 feet of gravel tread, 20' sidehill trail, 1 waterbar, and 10 rebuilt waterbars.
- 9. Hunt TRail: 30 rock steps were built above Katahdin Falls to stabilize eroded trail and replace log steps that had been built in the mid 70's. Nearly 30 people from SCA, MATC, MCC helped accomplish this difficult task. All rock was moved 170 feet uphill to the work site using a 350 ft. cable system.

Bridge Projects:

1. Roaring Brook: Ice removed the bridge over Roaring Brook in March of 1992. The span was replaced with a new bridge that is supported by log cribwork that is two feet higher than the old bridge abutments. Hopefully the new bridge (75 feet) will last longer than the old one.

- 2. Trout Brook: A new ramp was installed on the north side of the existing bridge over Trout Brook. The ramp is about 30 feet long.
- Chimney Pond Trail/High Bridge: A new bridge was built across Saddle Brook above Basin Pond. Material had been 3. sledded to the site during the winter. The new bridge has a 6 ft. wide deck, and the downhill approach ramp is nearly 10 ft. wide. We ran out of materials, and were not able to finish the ramp. The winter Rangers will need to make a temporary ramp extension for the 92-93 season.
- Ski Trail: A new bridge was built to replace the bridge over the inlet to Abol Pond. The bridge is 45 feet long, and is built primarily of cedar. MCC and Buck Volunteers helped.

TRAIL VOLUNTEERS 1992 INDIVIDUALS - MORE THAN 20 HRS SERVICE

Robert William Foster, Sr. Stephen L. Crowe RFD #4 Box 7890 4 Sargent St. Gardiner, ME 04345 Cherry Valley, MA 01611

Judith A. Melcher-King Philip Pepin
Box 996 P.O. Box 536
Naples, ME 04055 Stratton, ME 04982

John Barlow
HCR 79 Box 8
Orland, ME 04072

Joshua Barlow
HCR 79 Box 8
Orland ME 0407

Elsa J. Sanborn P.O. Box 8087 Bangor, ME 04402

George E. Foster

90 Tufton St.

Brunswick, ME 04104

John R. Crowe
6 Moore Ave.
Worcester, MA 01602

Howard E. Melcher-King William R. Hill
Box 996 160-B West Waterloo St.
Naples, ME 04055 Winchester, OH 43110-1013

Orland, ME 04072

Scott & Valerie Whitcomb 21 Shirley Rd. Lynn, MA 01904-1621

MATC FOOTPATH RECOVERY CREW - 30 HRS

Benjamin J. Silberfarb

RR #2, Box 201

Norwich, VT 05055

Joanna May
306 W. 21 St. Apt. 3
New York, NY 10011

Nancy Zimmerman

Nancy Zimmerman

2 Macon Drive

Hamilton, NJ 08619

John Howerton

Box 55782

Birmingham, AL 35255

John Place 597 Quanapoag Rd. E. Freetown, MA 02717

Steven J. Silberberg 6075 Village Glen Dr. #3232 Dallas,TX 75206-2435 Alice Place 597 Quanapoag Rd. E. Freetown, MA 02717

BUCK VOLUNTEERS - 35 HRS

Laurie J. Buck 3835 Mathews Rd. Burdett, NY 14818

Paul Caver 228 Pawling Ave. #5 Troy, NY 12180

Allen Jalbert 8 Brown St. Ipswich, MA 01938 Ralph Krasevec 587 Clearview Ave. Wheeling, WV 26003

Patricia Carlson 128 Elm St. Belmont, MA 02178

Gary Nelson 126 East Allegheny St. Martinsburg, PA 16662

SIERRA CLUB - 35 HRS

Mathew Terribile P.O. Box 514 Saugerties, NY 12477

Christi Beltramo 3294 Oxford Land San Jose, CA 95117

Robert Merrill 5863 Crabapple Lane Johnson, IA 50131

Thomas Shoesmith 8 St. Mark's Place New Yor, NY 10003

Mike Verange 1497 W Front St. Lincroft,NJ 07738

David Terribile 244 53rd St. Brooklyn, NY 11220 Raymond Fortunato 500 Winchester Ave. Staten Island, NY 10312

Eunice R. Dobbs 119 Bear Creek Road N Fort Payne, AL 35967

Oscar Smith 5325 NW 78th Ct. Johnson, IA 50131

Janet Evans 24 Ingleside Rd. Brewster, NY 10509

Michael Weaver 1667 Irving St. Rahway, NJ 07065

Ken Limmer 3817 Logan's FerryRd. Pittsburgh, PA 15239

VOLUNTEERS FOR PEACE - 40HRS

Sylvain Guinand Stephanie Gantou
Lotisement la Corneliere 30 rue de la petitte grille
01110 Cormaranche France 77400 Saint Thibault
des Vignes France

BANGOR AMC COMMITTEE - 20 HRS

Marianna Stockly Box 273 Orono, ME 04473

Ben Tupper 32 Sunset Dr. Old Town, ME 04468

Shirley Ellis RFD #2, Box 1830 Old Town, ME 04468

INDIVIDUALS AND GROUP VOLUNTEERS LESS THAN 20 HRS

Bruce & Cheryl Pooler Box 127 Bath, ME 04530

Scotty Folger 167 Bennoch Rd. Orono, ME 04473

Mike Therriault Box 218 Sebasco Estates, ME 04565 Bath, ME 04530

Channing Jones 1077 Washington St.

Dave & Sally Dixon 1054 Washington St.
Bath ME 04520 Bath, ME 04530

Agnes Fournior 19 Rue Basse D'Ingre' 45000 Orleans France

Rachel & Dick Innes 7445 Plymouth Rd. Ann Arbor, MI 48105-9532

Rick St. Croix Woodville, ME

Dave Forrant Concord, MA

FREEPORT HIGH SCHOOL - 6 HRS

John Webber Fred Cass Richard Chase Matt Brink Vanessa Gabrielle Will Marquis Bobbi Brewer Gretchen Waldo Matt Fickett Erich Bohrman

Jarrod Rowe Joe Richard Daisy Wilson Duane Coffill Kim Garrick Michelle Scott James Johnson Regie Gowell Barbara A. McHugh Walter Libby

MAINE CONSERVATION CORPS - 8 WEEK TRAIL CREW

Thomas Bradbury - Leader Mars Hill, ME

Korah Soll Box 307 Canaan, ME 04924

Oland Easler RR#2, Box 2200 Lisbon Falls, ME 04252

Michael Hansen 11 1/2 Horton St. Lewiston, ME 04240 Lorna Thompson Box 243 Medway, ME 04460

Eric Inman Box 47 Franklin, ME 04362

Earl Cameron III Box 313 Island Falls, ME 04747

MAINE CONSERVATION CORPS YEAR-ROUND CREW-30 HRS

Wes Crane - Leader South Portland, ME

Danny Morgan 139 Lewis Ave. Saco, ME 04072

Jason Cooke RFD #1, Box 3960 Pittsfield, ME 04967

Scott Goodale RR1, Box 910 Phillips, ME 04966 Isaiah Soll Box 307 Canaan, ME 04924

Richard Chase 12 Elm St. Apt 3 Freeport, ME 04032

Conclusion:

1992 was a productive season on the trails. Our SCA crew was smaller than usual due to some early departures, but we were able to schedule a lot of time to work on the trails. This was the year of bridge replacement. Four major bridge projects consumed the greater part of 8 weeks of our season. Although the bridge building is interesting work, it diverted us away from important maintenance projects around the Park.

Due to a continuing increase in volunteer help, we counted 6178 hours of trail work (19% increase over 1991). Over 120 people were involved with trail work at Baxter Park during the past season. This level of participation has contributed to an overall improvement in Park wide trail conditions.

MCC made a very significant contribution on trails in the Nesowadnehunk area, particularly on the Marston Trail. Their rock

work is of high quality and will enhance the condition of this trail for years to come.

If the same resources and people are available for the 1993 season, we should continue to make progress on Park trails.

- B. Regional and Campground Maintenance Report
- 1. Region 1 includes Roaring Brook, Chimney Pond, Russell Pond, South Branch Pond, Trout Brook Farm and Matagamon Gate. The majority of the outlying campsites are in this area. Park Ranger II Barry MacArthur manages this region of Baxter State Park.

REGION AND CAMPGROUND MAINTENANCE REPORT
PARK RANGER MAINTENANCE REPORT
BARRY MACARTHUR
THOMAS CHASE
CHARLIE KENNEY

MAINTENANCE - REGION I

- 1. Cleaned out polebarn deleting non-recyclable material.
- 2. Cut up and split firewood for garage in Millinocket.
- 3. Routine patrol of Park checking hunters within the game preserve for unauthorized activity.
- 4. Blazed and painted approximately 3 miles of Park boundary on top of Billfish Mountain and heading south along the East Boundary.
- 5. Installed windows in bathroom in the administrative quarters at Trout Brook and replaced siding on bathroom exterior.
- 6. Cut, split and hauled firewood for South Branch Pond.
- 7. Made and installed temporary winter registration box at Matagamon parking lot.
- 8. Inventoried capital equipment and minor tools.
- 9. Repaired tote sleds used during winter months.
- 10. Replaced the temporary steps in Trout Brook crew camp.
- 11. Worked installing plumbing and related materials in the bathroom of the administrative quarters at Trout Brook.
- 12. Worked on winter trail to Russell Pond so as to haul supplies by snowsled.
- 13. Hauled supplies to Russell Pond (propane cylinders, lumber for repair to Wassataquoik Stream lean-tos, miscellaneous campground supplies and brought non-recyclables out).
- 14. Cut firewood from across Turner Deadwater and hauled via snowsled to Russell Pond for winter use.
- 15. Patrolled in Long Pond and Fowler Pond area removing old non-usable watercraft by snowsled and hauling them to Trout Brook.
- 16. Hauled lumber and related material to Outlet site and Lower Fowler site so as privies can be built in spring.
- 17. Gutted out old bunkhouse except special asbestos on floor and roof so that building could be destroyed later.
- 18. Piled firewood in cellar at Trout Brook in administrative

- quarters and organized tools.
- 19. Organized tools and supplies in workshop at Trout Brook.
- 20. Repaired and repainted tool box for 54 vehicle.
- 21. Installed radio in 54 vehicle.
- 22. Burned old cedar and unusable building material at Telos gravel pit.
- 23. Maintained chainsaws and snowsleds as needed.
- 24. Maintained tools replacing, repairing or sharpening as needed.
- 25. Assisted F&W Wardens cutting and hauling firewood at Davigneau camp.
- 26. Cleared blowdowns on Black Brook trail to be used later for travel to and from Webster Lake for work projects.
- 27. Removed old boathouse at Davigneau camp, all non-recyclable material from Park and hauled to dump.
- 28. Cut and hauled firewood for garage at Trout Brook.
- 29. Assisted working on snowsled trail to Chimney Pond to be used to haul supplies.
- 30. Hauled snowsled to Fort Kent to have warranty work done.
- 31. Hauled cement pads from Millinocket to Matagamon parking lot, then to Davigneau camp on snowsled to be used as support under building.
- 32. Hauled trail crew supplies to Russell Pond via snowsled.
- 33. Routine schedule for coverage for winter parties at Chimney Pond.
- 34. Worked on winter trail to Russell Pond repairing, replacing or building new bridges as needed.
- 35. Assisted hauling supplies from Roaring Brook to Chimney Pond by snowsled.
- 36. Assisted installing metal ceiling in garage in Millinocket.
- 37. Cut timbers for sills and hauled to site location at Webster Lake for camp repair.
- 38. Hauled propane cylinders across lake at Webster; brought empty cylinders back across lake.
- 39. Assisted working on backhoe repairing radiator and alternator and getting ready for use.
- 40. Picked up gravel and bagged for flight to Chimney Pond to be used with cement for basement of outhouses.
- 41. Removed old bathroom walls and moved outside door and window in administrative quarters at Trout Brook.
- 42. Worked on gatehouse crew camp at Togue Pond by setting the building on foundation pads and getting ready for summer use.
- 43. Removed old spring tile from drinking water source on shore of South Branch Pond.
- 44. Assisted with supply flight to Chimney Pond.
- 45. Assisted with campground coverage at several campgrounds.
- 46. Assisted opening up the campground at Nesowadnehunk Field.
- 47. Repaired road to South Branch Pond after winter damage.
- 48. Cleaned up mess at South Branch Ranger camp after a raccoon had fallen down chimney and been trapped inside during the winter months.
- 49. Burned grass and brush at Trout Brook.
- 50. Placed block bond around chimney at administrative quarters at Trout Brook.

- 51. Prefabricated a portion of 35 picnic tables at Millinocket garage.
- 52. Repaired major washout on perimeter road between Fowler Green and South Branch crossing.
- 53. Readied boat and motor for use on Matagamon Lake. Made minor repairs during the boating season.
- 54. Dug hole for privy to be built at Boody Brook site on Matagamon Lake.
- 55. Patrolled Fowler country checking fishermen and removing trash.
- 56. Worked building woodsplitter to be used wherever needed.
- 57. Worked with SCA and trail crew cutting up splitting and stacking 14 cord of firewood at Millinocket garage.
- 58. Assisted York's Trucking in the removal of 4 badly deteriorated buildings at Togue Pond.
- 59. Set up new table saw in garage at Trout Brook.
- 60. Removed fire rings at locations of old Boy Scout sites on Matagamon Lake.
- 61. Cut out material for picnic tables to be used at Trout Brook and South Branch.
- 62. Regularly checked sites on Matagamon Lake cleaning, raking and removing litter.
- 63. Assisted with major renovation work on garage at Roaring Brook.
- 64. Assisted with hole digging for 1000 gal. toilet vault for trail crew at Roaring Brook.
- 65. Assisted with rebuilding road across swamp near Daicey Pond on Daicey Pond road.
- 66. Hauled building material through Park delivering to Trout Brook, Kidney Pond and Roaring Brook.
- 67. Assisted with cement work on gate for gas depot at Nesowadnehunk Field.
- 68. Assisted on work projects with Volunteers For Peace at Fos-Field (riprap along Nesowadnehunk Stream) Togue Pond (splitting firewood) and Nesowadnehunk Field (painting).
- 69. Begin assisting in road maintenance using old tow-behind grader to ditch road and do some grading on south Branch road and toward DOT highway camps.
- 70. Graded with rock rake on Martin camp road.
- 71. Hauled gravel on road ahead of hired road-grader as needed.
- 72. Continued hauling firewood for sale to South Branch and Trout Brook from wood supply at Abol pit.
- 73. Worked grading Kidney Pond and Daicey Pond roads using towbehind grader and rock rake.
- 74. Used 1290 Case tractor and fixed grader on some parts of perimeter road for maintenance purposes.
- 75. Assisted shingling roofs at Kidney Pond trying to beat impending inclement weather.
- 76. Unplugged culverts caused by beaver dams at Black Brook and McCarty Field.
- 77. Built device to remove beaver dam debris from culverts.
- 78. Started and closed in gas shelter built to cover gasoline vaults at Abol pit.
- 79. Painted woodshed and outhouse at Martin camp.
- 80. Hauled picnic table to new site at Boody Brook on Matagamon

Lake.

- 81. Built privy at Boody Brook site.
- 82. Cut up, split and delivered 8 cord firewood to T6R9 facilities.
- 83. Repaired rock rake.
- 84. Made minor repairs to woodsplitter.
- 85. Assisted MDOT with bridge and culvert inspection through Park
- 86. Started hauling footbridge material to Kidney Pond and Roaring Brook to be delivered on site at a later date (list submitted by trail crew). Approximately 8 mbf.
- 87. Assisted with fall flight of material flown to Russell Pond and footbridge material flown from Kidney Pond to Lilly Pad as requested by trail crew.
- 88. Removed many blowdowns from perimeter road between South Branch crossing and Nesowadnehunk Lake after a wind storm.
- 89. Assisted jacking and blocking bunkhouse at South Branch Pond.
- 90. Assisted moving woodshed at McCarty Field.
- 91. Readied bunkhouse at McCarty Field for winter use.
- 92. Assisted in closing seasonal camps at various locations in the fall.
- 93. Installed numerous culverts at various locations on perimeter road.

CHIMNEY POND - (Esther Hendrickson-CRI, Stewart Guay-ACR)

- 1. Shoveled out pit toilets that had been filled during the previous winter by winter campers.
- 2. Worked getting waterline running, repairing as needed.
- 3. Cleaned out bunkhouse, scraped and painted floor and front steps, cleaning walls and ceilings and blackening wood stove.
- 4. Replaced platform for propane cylinders on Ranger's camp.
- 5. Cut up and stacked firewood at bunkhouse for winter campers.
- 6. Assisted in opening campground at Roaring Brook.
- 7. Cleaned fireplaces at Davis Pond and blowdowns from Chimney Pond to Russell Pond.
- 8. Assisted clearing blowdowns to Pogy Pond.
- 9. Scraped and painted inside men's and women's double toilets.
- 10. Trail restoration in campground by placing log steps, rocks and gravel as needed.
- 11. Jacked and leveled lean-tos #2 and #5.
- 12. Painted office ceiling and kitchen in Ranger's camp.
- 13. Made minor repairs to roof of Ranger's camp.
- 14. Replaced signs and sign posts as needed.
- 15. Cleared brush in emergency heliport.
- 16. Worked on composting human waste from toilets.
- 17. Worked on footbridge near camp replacing broken crosstreads.
- 18. Made new screen door for crew camp.
- 19. Removed "A" frame used by trail crew and also one tent platform.
- 20. Removed old women's double toilet.

- 21. Built skirting for main camp.
- 22. Re-erected the "Pamola Caves" sign.
- Boxed up debris and waste to be removed from Park whenever 23. possible.
- 24. Cut blowdowns in area trails as needed.
- Scraped and stained crew camp. 25.
- Cleaned and readied bunkhouse for winter use. 26.
- Readied building and campground for winter by boarding win-27. dows, draining water and adding non-toxic antifreeze as required.
- Completed daily, weekly and monthly reports as required dur-28. ing the season.
- 29. Checked and drained fire equipment.

ROARING BROOK - (Greg Hamer-CRI, Jeff Madore-ACR)

- 1. Painted bunkhouse inside and outside.
- 2. Stained and painted office porch.
- 3. Stained and painted back porch on main camp.
- 4. Built fire equipment box for pick-up.
- 5. Made bed frames for beds upstairs in main camp.
- 6. Repaired picnic tables as necessary.
- 7. Worked in day use area preparing site for picnic tables.
- 8. Removed covered table from day use area.
- 9. Installed new refrigerator in crew camp.
- Serviced appliances as necessary. 10.
- Routinely patrolled Togue Pond beach and removed litter. 11.
- 12. Cleaned out garage to get ready for building repairs.
- 13. Cleaned toilets and campsites as necessary.
- 14. Mowed grass at Roaring Brook, Avalanche Field and Rum Brook as needed.
- Painted signs and sign posts as needed. 15.
- 16. Stained garage and painted trim.
- Removed blowdowns as needed and trimmed brush on Roaring 17. Brook road.
- Worked as traffic control attendant at intersection of Roar-18. ing Brook road and perimeter road on high use days.
- Assisted in toilet vault pumpout in spring and late summer. 19.
- 20. Repaired screens on buildings as needed.
- Completed daily, weekly and monthly reports as required. 21.
- Drained waterlines and used non-toxic antifreeze where 22. needed.
- Placed firewood on porch for winter use at the bunkhouse. 23.
- 24. Cut and loaded on trailer firewood (1 1/2 cord) to be flown to Chimney Pond for use during winter season.
- Completed extensive repairs on garage a major season proj-25. ect.

RUSSELL POND - (Brendan Curran-CRI, Jack Sheltmire-ACR)

- Started water in camp and checked plumbing in May. 1.
- Checked canoes and readied for summer use. 2.
- Shoveled outhouses, cleaning and getting ready for use. 3.
- 4. Painted ceilings in Ranger camp.
- Installed firebrick behind stove in Ranger's camp and in-5.

- stalled new wood stove.
- 6. Worked on the two lean-tos at Wassataquoik Stream replacing sills, putting new siding around bottom and installing new floor.
- 7. Cleaned area around site around old bunkhouse raking, mulching, seeding the area to secure the soil.
- 8. Cleaned out the new bunkhouse and readied for summer use.
- 9. Routine campground maintenance cleaning sites and fireplaces, removing litter and raking as needed.
- 10. Cleared area trails by removing blowdowns.
- 11. Painted signs and sign posts and replaced when necessary.
- 12. Removed unburnable material from old bunkhouse site and camp-ground and readied to be removed from Park.
- 13. Repaired tools with new handles and sharpened as needed.
- 14. Replaced wood material on ankle-knocker bridge as needed.
- 15. Scraped and painted flagpole.
- 16. Cut up, split and stacked firewood that had been hauled in the previous winter from local areas by snowsled.
- 17. Checked outlying sites cleaning, removing litter and raking as needed.
- 18. Serviced propane appliances as needed.
- 19. Replaced back-pack scale in campground with new material.
- 20. Checked trails regularly to Davis, Wassataquoik Lake, Pogy Pond, Wassataquoik Stream, Grand Falls, and Roaring Brook removing blowdowns, clearing brush as necessary.
- 21. Completed daily, weekly and monthly reports as required.
- 22. Replaced screening on lean-to at Wassataquoik Lake and leveled toilet.
- 23. Scraped and painted steps to office.
- 24. Scraped and painted outhouse at Ranger's camp.
- 25. Repaired furniture in crew camp.
- 26. Assisted trail crew on work projects in area.
- 27. Stained lean-to #1.
- 28. Tore down weather damaged chimney in Ranger's camp.
- 29. Installed metalbestos chimney in Ranger's camp.
- 30. Supervised volunteer (Chewonki) group with work project.
- 31. Cleaned out brush at emergency heliport landing.
- 32. Posted "no fire" signs at site locations during fire ban.
- 33. Split and stacked firewood for winter use at the bunkhouse.
- 34. Built and installed new fishing inventory card box in camp-ground to help keep track of fishing activity.
- 35. Helped supervise several volunteer parties on work projects (Sierra Club and Brugger).
- 36. Shoveled out privy at Wassataquoik Lake lean-to.
- 37. Checked and stored fire equipment.
- 38. Winterized campground by putting away canoes, draining water system, adding non-toxic antifreeze, getting firewood to proper locations and closing up buildings.
- 39. Painted floor and ceiling of bunkhouse.
- 40. Painted floors in all campground toilets.
- 41. Built and installed canoe paddle rack.
- 42. Maintained canoes at Six Ponds, Deep Pond, Wassataquoik Lake and Russell Pond.

SOUTH BRANCH POND - (Keith Smith-CRI, Jonathan Milne-ACR)

- 1. Removed blowdowns and debris from campsites and the day-use areas.
- 2. Repaired steps on Ranger's camp.
- 3. Hooked up waterline and repaired plumbing as needed.
- 4. Scraped and stained dock and floats.
- 5. Repaired outhouse doors and screens to be ready for use.
- 6. Replaced roof on outhouse near site #28.
- 7. Scraped and painted flagpole.
- 8. Renovated office porch for firewood for sale.
- 9. Replaced box on office door for receipts for canoes and firewood.
- 10. Assisted in toilet vault pumpout.
- 11. Serviced propane appliances.
- 12. Routine maintenance of campground roads.
- 13. Completed daily, weekly and monthly reports as required.
- 14. Repaired bathroom floor in Ranger's camp.
- 15. Assisted with coverage at Trout Brook 3 nights each week.
- 16. Readied canoes and accessories for summer use.
- 17. Stained one lean-to.
- 18. Stained all exteriors of outhouses.
- 19. Repaired picnic tables as needed.
- 20. Removed peeling paint from outhouse floors.
- 21. Removed blowdowns from perimeter road after wind storms as needed.
- 22. Disassembled picnic shelter at Burnt Mountain.
- 23. Gathered all scrap junk steel and hauled to Mt. Chase dump.
- 24. Mowed grass as needed.
- 25. Repaired canoes as needed.
- 26. Patrolled area trails removing blowdowns and litter.
- 27. Stained signs and sign posts.
- 28. Site reclamation at site #20 creating barriers with shrubs and trees.
- 29. Stained front of bunkhouse.
- 30. Split and stacked firewood for Ranger use.
- 31. Painted ceiling in crew camp.
- 32. Winterized campground by removing docks and floats, draining outboard motors, draining water and adding non-toxic antifreeze as needed, putting firewood for winter use at bunkhouse, typing down lean-tos, bringing in campground signs, putting storm windows on, storing picnic tables, storing canoes and accessories.
- 33. Assisted with routine patrol of back-country sites at Littlefield, Billfish, Long Ponds and the Fowlers by cleaning, removing litter and raking sites as needed.

MATAGAMON GATE - (Dana Miller, Ted Hanson, Scott Theis-GA)

- 1. Assisted with routine maintenance of Trout Brook Farm including cleaning toilets, cleaning fireplaces and mowing.
- 2. Painted signs brown and lettered them in white for various locations in the Park.
- 3. Hooked up water system at the gatehouse.

- 4. Mowed grass as needed at the gate and Matagamon landing.
- 5. Cleaned and maintained toilets at the gate and landing on a daily basis.
- 6. Peeled cedar logs for toilets to be used on sites on Matagamon Lake.
- 7. Painted porch floor and varnished in office.
- 8. Painted steps at Trout Brook gatehouse quarters.
- 9. Scraped and painted south wall of gatehouse including trim on windows.
- 10. Painted covered picnic shelter at Matagamon landing.
- 11. Scraped and painted back side of gatehouse.
- 12. Completed daily, weekly and monthly reports as required.
- 13. Scraped and painted east side of gatehouse.
- 14. Assisted cutting, splitting and hauling and piling firewood for Matagamon, Trout Brook and South Branch (approx. 8 cords).
- 15. Closed up camp and winterized by cleaning, draining water and using non-toxic antifreeze at Trout Brook and Matagamon.

TROUT BROOK - (Tom Edes-CRI)

- 1. Painted and relettered signs for toilets and painted toilets.
- 2. Cleaned and maintained toilets on a daily basis.
- 3. Built and painted new picnic tables.
- 4. Assisted in renovation of bathroom in administrative building at Trout Brook.
- 5. Cleaned sites and fireplaces and raked as needed.
- 6. Scraped and painted workshop.
- 7. Built enclosure for generator in workshop.
- 8. Checked firewood for sale and resupplied as needed.
- 9. Checked site at K.P. dam daily.
- 10. Assisted in routine patrol of back-country sites at Little-field Pond, Billfish Pond, Long Ponds and Fowler Ponds cleaning toilets removing litter and raking as needed.
- 11. Mowed grass as needed.
- 12. Checked canoes, paddles and life preservers daily.
- 13. Completed daily, weekly and monthly reports as required.
- 14. Painted and relettered signs in campgrounds.
- 15. Assisted in covering South Branch Pond campground as required.
- 16. Logged size and names of campers and explained policies rules and regulations
- 17. Routinely patrolled local trails removing any litter.
- 18. Batteries for radio in administrative camp replaced.
- 2. Region 2 includes Togue Pond, Abol, Katahdin Stream, Daicey Pond, Kidney Pond and Nesowadnehunk Field. Park Ranger II Robert Howes manages this portion of Baxter State Park.

REGION AND CAMPGROUND MAINTENANCE REPORT

PARK RANGER MAINTENANCE REPORT . ROBERT HOWES LOREN GOODE BERNARD CRABTREE

MAINTENANCE - REGION 2

Maintenance takes up the bulk of a Park Ranger's time. Maintenance may vary according to locations, however, the basic duties are the same at all locations. Projects worked on or completed are as follows:

- 1. Burned and covered landfills at Foster Field and Rum Mt.
- Repaired snowsleds as needed, modified and repaired totesleds, drag and snowsled ramps.
- 3. Burned six old outhouses at Katahdin Stream.
- 4. Blazed and painted boundary line between Jackson and Slaughter, Nes. Field, Doubletop Mt. to Slaughter Pond.
- 5. Prepared Chimney Pond trail for winter hauling, shoveled and groomed trail.
- 6. Hauled summer supplies to Chimney Pond by snowsled.
- 7. Hauled three 6'x 12" x 18' cedar timbers from Abol Bridge to the High Bridge area above Basin Ponds; hauled cribbing and decking materials from Roaring Brook to the bridge site. This was a major project.
- 8. Hauled new Ashley stove to Chimney Pond and set it up.
- 9. Hauled six propane tanks and four square of 8 shingles to Chimney Pond.
- 10. Replaced the new Ashley stove at Chimney Pond with a large Ashley stove from Katahdin Stream.
- 11. Hauled bags of bark and 10 bales of peatmoss to Chimney Pond for toilet composting project.
- 12. Constructed 16 sets of leveling legs for new staging platforms.
- 13. Built and installed two sets of metal racks for new trucks (50 and 53).
- 14. Assisted with burning and cleaning up of old Ranger camp at Russell Pond.
- 15. Assisted with sawing, drilling and packaging of 35 picnic tables.
- 16. Changed seasonal signs.
- 17. Assisted with various maintenance jobs in Support Service building.
- 18. Repaired roads, washouts, culverts, clear blowdowns brush, etc.
- 19. Cleaned up old outhouse debris at Katahdin Stream.
- 20. Demolished and hauled away four picnic shelters from Abol Beach picnic area.
- 21. Assisted with helicopter flight from Caribou Pit to Chimney Pond; bagged and loaded two yards gravel and two cords firewood.

- 22. Hauled two loads gravel and 25 cedar logs to Abol Pond Scout area; hauled four loads rocks and 20 cedar logs to Foster Field.
- 23. Hauled 60 bags of lime from Dover Agway to Toque Pond.
- 24. Moved six dumpsters from Togue Pond to Abol Field.
- 25. Hauled gravel to various campgrounds as needed.
- 26. Changed combination locks throughout Park facilities.
- 27. Constructed new steel gate, posts and set at Nesowadnehunk fuel depot road.
- 28. Filled and graded area around fuel tank at Nesowadnehunk Field.
- 29. Modified dumpster covers at Abol Field and Trout Brook Farm.
- 30. Rebuilt 300 ft. section of road through low swamp on Daicey Pond Road.
- 31. Rebuilt #8 site crib at Nesowadnehunk Field.
- 32. Moved control booth from Roaring Brook "Y" to Togue Beach area for information booth purposes.
- 33. Repaired BSP sign at Kokadjo for people traveling from Greenville.
- 34. Cut back and widened the sharp corner on Abol Beach road.
- 35. Volunteers For Peach assisted with cribbing and rocking of two eroded areas at Abol Scout area and Foster Field. They also cut and split twelve cords firewood at Togue Pond, scraped and stained two camps, Togue Gatehouse and Nesowadnehunk Ranger camp.
- 36. Loaded and hauled sixteen pieces of flat rocks for steps at Katahdin Stream.
- 37. Dug out problem septic tank and pumped at Nesowadnehunk.
- 38. Hauled and delivered numerous pickup loads of firewood through Park (25 to 30 cords).
- 39. Constructed and assembled gate for walk-in sites at Katahdin Stream.
- 40. Cut to 7' lengths and hauled 3 cord firewood for Chimney Pond.
- 41. Stacked wood on porches of winter camping facilities.
- 42. Hauled propane for winter use to Chimney Pond, Togue and Roaring Brook.
- 43. Processed twenty-four cords cedar for footbridges; hauled to Kidney Pond and Roaring Brook to be moved by sled during winter months.
- 44. Assisted with construction of fuel depot building at Abol Pit.
- 45. Assisted volunteers with moving of outhouses at Daicey Pond.
- 46. Assisted helicopter crews 112th and 192nd load supplies for Russell and Chimney Ponds.
- 47. Built 8 sets portable road barriers.
- 48. Built corner cupboard and continued working on cupboards for Nesowadnehunk Stream Park Ranger camp.
- 49. Constructed pipe clamp rack for Support Service Carpenter shop.
- 50. Installed antenna system on Nesowadnehunk Stream Park Ranger camp.
- 51. Constructed eight saw horses.
- 52. Flagged potential new toilet sites at Daicey Pond.
- 53. Transported volunteers for Chimney Pond duties.

- 54. Assisted with plowing and sanding around Millinocket Head-quarters complex.
- 55. Transported Wilderness Rescue Team for annual winter training Abol Bridge to Roaring Brook loop.
- 56. Constructed drying basket for Nesowadnehunk Stream Park Ranger camp.
- 57. Drew up plans and material list for Chimney Pond compost toilets.
- 58. Assisted at Support Services installing metal walls and ceilings.
- 59. Spotted and painted SW corner Park boundary on West Branch Penobscot River.
- 60. Finished construction of stairs of new camp at Trout Brook Farm.
- 61. Installed new flooring, door, window in kitchen at Trout Brook Ranger camp.
- 62. Assisted in construction of metal circular stairway for Support Service building.
- 63. Partially installed ceiling in Nesowadnehunk Stream Park Ranger camp.
- 64. Installed water system in Nesowadnehunk Stream Park Ranger camp.
- 65. Escorted Arthur York Trucking throughout Park picking up old culverts.
- 66. Repaired beaver live trap.
- 67. Winterized Ranger camps for season.
- 68. Relocated woodshed at Togue Pond.
- 69. Prepared Togue workshop for feeding station for helicopter crew.
- 70. Assisted with repairing and moving of Maine Forest Service tractor-trailer from Millinocket to Island Falls.
- 71. Servicing, checking, repairing of chainsaws, lawnmowers, generators, trucks, tractors, etc.
- 72. Seasonal movement of tractor at Millinocket to the Park, etc.
- 73. Installation modifying, repairing of radios and truck antennas.
- 74. Researched vehicle specifications for future purchase.
- 75. Researched DC and AC waterpump specifications.
- 76. Changed lead-acid batteries to ni-cad batteries at Chimney Pond.
- 77. Serviced and maintained twelve solar-battery systems throughout Park.
- 78. Installed two new solar systems at Daicey and Kidney Ponds.
- 79. Prefabbed electrical hook-up for generator battery charging at Chimney Pond.
- 80. Researched information on ni-cad batteries.
- 81. Hauled 28' ladder from Matagamon parking lot to Russell Pond.
- 82. Gathered eight Syntor X radios, re-programmed in Orono.
- 83. Hauled 2500' of cedar planking from Patten to Millinocket.
- 84. Prefabricated battery boxes.
- 85. Serviced and hooked up seasonal water systems.
- 86. Transported junk materials to Millinocket transfer station.
- 87. Moved new stove and refrigerator into Togue Pond Forestry

building.

- 88. Assisted Girl Scout Troop with digging, moving and replanting of 20 pine trees at Togue Beach.
- 89. Serviced refrigerator, changed locks, hauled 8 empty propane tanks and rubbish from Webster Lake camp.
- 90. Limed toilets for annual pumpout.
- 91. Assisted with installation of toilet vaults at Roaring Brook and Daicey Pond.
- 92. Assisted Arthur York with tearing down and hauling of five camps at Togue Pond.
- 93. Routine cleaning of Togue Beach and manning of campgrounds as needed.
- 94. Researched DOT bridge information.
- 95. Replaced and repaired broken windows in Burnt Mt. tower.
- 96. Loaded and hauled two older doubletracks to Millinocket for auction purposes.
- 97. Discharged battery string, disconnected and changed damaged battery, recharged battery bank at Chimney Pond.
- 98. Assisted with picnic shelter removal at Foster Field.
- 99. Hauled fourteen loads of gravel to Foster Field landfill.
- 100. Assisted DOT with installation of three culverts along perimeter road.
- 101. Hauled gravel to future woodshed site for Togue Pond gate crew camp at Togue Pond.
- 102. Cleaned up cedar ends and junk wood at Abol Pit.
- 103. Covered and graded landfill at Foster Field.
- 104. Dug out beaver dams at Togue and Roaring Brook roads.
- 105. Changed over and equipped new truck, racks, emergency equipside box, etc.
- 106. Washed and waxed trucks.
- 107. Hauled two sided cedar from Crystal to Roaring Brook.

TOGUE POND GATE - (Gatekeepers-Diane Freelove, Leslie Gordon, John Doe, James Hunt, Andrew Angotti, Margaret Richel)

- 1. Prepared ticket booth for season.
- 2. Washed down outhouses.
- Put up seasonal signs.
- 4. Mowed lawns and trim around buildings, rocks, etc.
- 5. Painted sign posts.
- 6. Worked up firewood, stacked and stored.
- 7. Piled wood in gatehouse basement.
- 8. Closed up facilities for season.

ABOL CAMPGROUND - (Brian Johnston-CRI, Troy Dow-ACR)

- 1. Opened campground, cleaned sites, toilets, hooked up water.
- 2. Painted Ranger camp office floor, display rack and bathroom floor.
- Stained and repaired picnic tables.
- 4. Installed two tables and one fire ring at Abol Beach.
- 5. Graded Abol Beach, beach road and ditch hill near Abol Field.
- 6. Serviced and repaired Abol, Katahdin Stream, Roaring Brook,
 Nesowadnehunk mowers serviced and repaired
 Nesowadnehunk chainsaw.
- 7. Cut up and hauled away blowdowns due to winter storms.

- 8, Assisted jacking camps at Kidney Pond.
- Stained lean-tos #11 and #12 inside and out, painted trim. 9.
- Stained and lettered signs, stained sign posts. 10.
- 11. Jacked and leveled lean-to #1.
- Stained woodshed and garage, painted trim Volunteers For 12. Peace assisted.
- 13. Hauled several loads firewood for campers.
- 14. Replaced worn-out damaged screens on Ranger camp.
- 15. Assisted stripping and reroofing workshop at Katahdin Stream.
- 16. Serviced and repaired weedwacker.
- 17. Graded site #22 at Katahdin Stream and parking lot.
- Assisted loading woodshed building and escorting to Double-18. top Warden camp.
- 19. Stained Ranger camp with two coats of stain.
- 20. Located rocks in closed off area of site #16.
- 21. Serviced portable generator.
- 22. Fumigated camp - carpenter ants and swarm flies.

KATAHDIN STR. CAMPGROUND - (Mac Browning-CRT, Jodi Browning-ACR)

- Opened campground, cleaned sites, toilets, hooked up water. 1.
- 2. Removed old outhouse debris - landscaped old outhouses and new outhouses areas.
- 3. Replaced site signs at Foster Field.
- 4. Reorganized garage and shop (major project)
- 5. Landscaped lean-tos #11 and #12.
- 6. Stained parking area signs and cribbing.
- 7. Replaced fire rings at #16 and #17 and #9 campsites.
- 8. Replaced gas regulator on Ranger station and office.
- 9. Cleaned blowdowns along roads and in campground.
- Major clean up and landscaping of DOT cabins. 10.
- 11. First aid inventory and updating of rescue equipment.
- 12. Stained lean-tos #9, #10 and #11.
- 13. Stained and repaired picnic table sites #9-11, #18-20.
- 14.
- Landscaped sites #9, #18-20.
 Installed new signs for Katahdin Stream Pond and walk-in 15. sites and OJI parking lot.
- 16. Stripped shingles and reshingled workshop.
- 17. Finished construction on second floor of Ranger station.
- 18. Painted cabin ceilings.
- 19. Cribbed site #1 and installed new fire ring at Foster Field.
- 20. Installed new gate at walk-in site.
- 21. Disassembled old cribbing at Assistant Ranger camp.
- Replaced leach field of Assistant Ranger camp. 22.
- 23. Built and replaced three picnic tables for Foster Field.
- 24. Implemented regeneration and landscaped sites #9, #10, #11, #18 and #20.
- 25. Jacked and leveled two spare lean-tos.
- 26. Reshingled two spare lean-tos.
- 27. Stained numerous campground signs and posts.
- 28. Filled woodshed with firewood.
- 29. Built new stone steps to Ranger station.
- 30. Closed up campground for season.
- 31. Planted 100 red pine seedlings in between campsites #18-20, #22-23, #9, #11, #12.

KIDNEY POND CAMPS - (Caretakers-Steve and Gladys Buzzell)

- 1. General campground opening, readying of cabins, cleaning toilets, cleaning campground of winter blowdowns.
- 2. Built deck for Ranger camp.
- Finished repairs to Cary Bok, installed gaslight, railing.
- 4. Cut blowdowns on Kidney Pond road.
- 5. Cut and peeled logs for camp repairs.
- 6. Cleaned trail crew camp for school industrial art volunteer group.
- 7. Repaired deck on trail crew camp, hooked up propane tanks.
- 8. Replaced decks on cabin #6, #7, built two new decks on Ranger's camp.
- 9. Supervised industrial art group on cabin repairs.
- 10. Repaired woodshed roof.
- 11. Hauled dead moose out of Kidney Pond.
- 12. Completely rebuilt underpinning, jacked, leveled cabin #6.
- 13. Cleaned kitchen and dining hall for meetings, spring orientation, tourism, Authority meetings.
- 14. Installed railings on cabin #6.
- 15. Painted screendoors, floors, stained decks, steps, etc.
- 16. Rebuilt two screen doors on cabin #6.
- 17. Repaired door on canoe shed.
- 18. Put trim around floor in volunteer cabin to help keep out squirrels and bats.
- 19. Hauled propane for camps.
- 20. Rebuilt and joined camp Rudderow with Loon Nest, replaced sill lot on Loon Nest, completely built new addition that connected these two camps.
- 21. General orientation of Volunteers For Peace.
- 22. Supervised volunteers with removal of old wood behind garage.
- 23. Installed propane light in Camp OJI.
- 24. Made food-runs to Bangor for Volunteers For Peace.
- 25. General campground maintenance, cleaning of toilets, cabins, mowing of lawns.
- 26. Placed rocks in parking lot with caterpillar 966.
- 27. Stripped and reroofed camps Rudderow and Loon Nest.
- 28. Installed new metalbestos chimney in Camp Rudderow.
- 29. Cut, split, piled sixteen cords of firewood.
- 30. Retrimmed Rudderow and Loon Nest cabins.
- 31. Installed two gas lights and regulator in Camp Wassus.
- 32. Built and installed trim for front of Ranger's camp.
- 33. Repaired window in cabin #8.
- 34. Assisted with installation of solar system for the campground radio.
- 35. General season close-down.

DAICEY POND CAMPGROUND - (Caretakers-Gabriel & Marcia Williamson)

- 1. General campground opening, readying of cabins, cleaning of toilets, cleaning campground of winter blowdowns, hooking up of water system.
- 2. Prepared, painted floors, walls, ceilings of Ranger camp.
- Stained picnic tables, porches, bumper logs, posts, some cabins.
- 4. Rebuilt fire pits.
- 5. Painted inside of all outhouses.

- Repaired windows, doors and screens in cabins as needed. 6.
- Cut and cleared blowdowns on Lost, Grassy Pond trails. 7.
- 8. Daicey Pond Nature Trail maintained.
- Removed linoleum and installed plywood flooring in cabin #8. 9.
- Put up Fly Fishing Only signs around Daicey Pond. 10.
- Replace logs, posts, stair treads, boards on cabins 11. needed.
- 12. Assembled 5 new picnic tables.
- 13. Built new kid's bookcase in library.
- Repaired and replaced stovepipes, installed metalbestos 14. chimneys in cabins #8, #11 and library.
- 15. Serviced lawnmower and waterpump.
- Cleared brush, pine-spruce needles and dirt around toolshed 16. and cabins.
- 17. Replaced anchor ropes on Park canoes.
- Repaired, chairs, beds and furniture and cabins as needed. 18.
- 19. Mowed and trimmed grass as needed around fire pits, signs, and buildings.
- 20. Repaired canoe seats in several canoes.
- 21. Made ax covers for fire axes.
- 22. Made, painted new signs around Daicey and Grassy Pond.
- 23. Repaired, replaced ax and splitting maul handles.
- Repaired leaky roofs in several cabins. 24.
- Cut, split, hauled, piled eighteen cords of firewood. 25.
- 26. Repaired water system to Ranger's cabin.
- 27. Installed cedar logs for canoe launch area.
- 28. Shoveled outhouses out.
- 29. Replaced broken windows in cabins.
- Assisted with installation, grading, landscaping 2 new out-30. houses.
- Tore down and piled old outhouses to be burned during winter. 31.
- 32. Constructed new pathways to new outhouses.
- 33. Replaced gas tanks on cabins as needed.
- Assisted with installation of solar system for campground 34. radio.
- Removed squirrel nests from toolshed and library porch. 35.
- 36. General season closedown in the fall.

NESOWADNEHUNK - (Mark Drew-CRI(Act.)

- Repaired ventilation pipe Ledge Falls toilet. 1.
- Repaired and stained picnic tables, signpost, lean-tos, 2. toilets, Park Ranger camp, and the broom and rake shed.
- 3. Built and installed firewood cash box.
- Cut hazardous trees in campgrounds and along perimeter road. 4. 5.
- Assisted with installing of gate on fuel depot road.
- Landscaped area around double culverts on Nesowadnehunk 6. Stream.
- Stripped shingles and reshingled toilets and picnic shelter 7.
- 8. Replaced steps at Ledge Falls picnic area.
- 9. Graded new gravel around gas pump.
- Leveled and bolted down ski camp toilet. 10.
- 11. Repaired leak on ski camp roof.
- Cut brush around gas pump gravel pit road. 12.
- 13. Cleared Dwelly Pond trail of blowdowns.

- 14. Dug up septic tank, snaked out sewer line, backfilled tank at Nesowadnehunk Field.
- 15. Leveled toilets at walk-in sites #26-28.
- C. The general maintenance report includes the activities of Park Maintenance Rangers Hadley Coolong and Albert Rickards. In addition, the Millinocket Maintenance facility report of Philip McGlauflin (Maintenance Supervisor) and Timothy Sides (Park Mechanic) is included under general maintenance.

MAINTENANCE SUPERVISOR - (Philip McGlauflin)

- 1. Built and wired a paint storage room in the cellar of the Warehouse.
- 2. Installed and integrated smoke alarm system in Warehouse complex.
- 3. Plowed snow and sanded all yards.
- 4. Installed new lights in Mechanic Shop Storeroom.
- 5. Ran new telephone line to Carpenter Shop.
- 6. Finished installing air lines in Mechanic and Carpenter shops.
- 7. Wired up second receptacle for shop welder.
- 8. Finished installing wiring behind workbench in mechanic shop.
- 9. Installed second wall light in south bay of Mechanic Shop.
- 10. Built shelf over work bench.
- 11. Unhooked all unused circuits from main panel that were discontinued.
- 12. Finished covering south bay walls and ceiling with metal interior panels.
- 13. Rehung overhead oil furnace and wired.
- 14. Cleaned and repaired radial arm saw.
- 15. Designed and built spiral stairs for Mechanic's shop.
- 16. Installed new motor and wired controls on tablesaw.
- 17. Rehung lights in south Mechanic bay, installed three way electric switches between doors.
- 18. Installed exhaust fan over welding bench.
- 19. Helped install an airconditioner in Director's home.
- 20. Installed a water line into center of Mechanic shop.
- 21. Wired a 220 volt line to run new airconditioner in lobby.
- 22. Installed two new ceiling lights in lobby.
- 23. Installed and took down winter entrances to Headquarters building.
- 24. Hooked up propane at old Forestry camp and built leach field for kitchen sink.
- 25. Removed all equipment from 4 old Togue Pond camps.
- 26. Dug three toilet pits, installed 3 cement tanks.
- 27. Helped rebuild a section of road to Daicey Pond.
- 28. Helped in jacking and rebuilding Roaring Brook garage.
- 29. Wired up receptacle for new planer and dust collector in Carpenter Shop; also installed two new GFI receptacles on outside of garage.
- 30. Installed two new outdoor lights on garage.
- 31. Rewired and replaced furnace alarm unit to the front of the Headquarters building.
- 32. Piled 10 cord of firewood.
- 33. Cleaned and serviced all Headquarters exhaust fans.

- 34. Worked on tractor mounted graded blade, graded office park-ing lot twice.
- 35. Got price on new heating system for Warehouse complex.
- 36. Worked on proposed garage for Director; building permit research.
- 37. Installed two new gas waterheaters (direct vent type) at Abol and Nesowadnehunk Field Ranger camps.
- 38. Cleaned, serviced and inspected wood furnace at garage.
- 39. Helped build a deck over one bay in pole barn in Millinocket.
- 40. Cleaned pole barn; repiled lumber.
- 41. Helped build a partition in Warehouse garage.
- 42. Helped rebuild Warehouse rollway foundation and install new covers; also installed new cellar door.
- 43. Worked new tractor mower two days in field with Tim Sides; works very well.
- 44. Repaired ceiling lights in auditorium; rewired 2 ceiling fan switches at Headquarters.
- 45. Helped build an office wall in Carpenter shop and rewired Carpenter's office.
- 46. Installed two new electric door openers in Warehouse garage.
- 47. Philip McGlauflin, Maintenance Supervisor, retired December 31, 1992.

MAINTENANCE RANGER - (Albert Rickards-Carpenter) Maintenance Projects

- 1. Installation of interconnecting fire alarms at Warehouse and Director's apartment.
- Installed paint room lights.
- 3. Cleaned carpentry shop as needed throughout the year.
- 4. Rebuilt door on display booth at information center.
- 5. Assisted Phil in wiring.
- 6. Shoveled snow out from in front of doors and sanded garage complex.
- 7. Sanded Headquarters yard and Warehouse yard as needed.
- 8. Rebuilt door closure for both overhead doors at Warehouse.
- 9. Tore down stairs to attic access and disassembled in garage.
- 10. Removed electrical wiring from walls; disconnected water lines.
- 11. Disconnected oil furnace from ceiling of shop and rebuilt oil furnace brackets; re-installed oil furnace to ceiling.
- 12. Bernard and I built leveling jacks for staging.
- 13. Installed new lights on ceiling of Mechanic shop.
- 14. Repaired ceiling in crew camp at Togue Pond.
- 15. Cut hole through wall in Director's apartment bedroom and framed up rough opening; installed air conditioner in wall.
- 16. Took out window in Roxie's office and framed in window for airconditioner.
- 17. Installed airconditioner in Roxie's office and trimmed out around airconditioner.
- 18. Worked with Phil on installation of new lights in lobby.
- 19. Installed new airconditioner in lobby at Headquarters.
- 20. Took down back door entryway winter walls at Headquarters.
- 21. Installed new gas lines and gas lights in old Forestry camp at Togue Pond.
- 22. Installed gray water leach field for old Forestry camp.

- 23. Constructed set of steps for forestry camp.
- 24. Took out windows, doors, gas lights gas lines, appliances, beds and prepared Togue Pond log cabins for dismantling.
- 25. Assisted in digging two holes for 6'x6'x6' cement vault toilets at Daicey Pond.
- 26. Washed truck as needed and kept body and cab clean.
- 27. Dug up old sewer pipes from Togue Pond log cabins.
- 28. Assembled new 20" Grizzly Planer, adjusted and lubricated parts.
- 29. Worked on Trapper camp at Togue Pond.
- 30. Constructed a two-man outhouse at Roaring Brook for Trail Crew.
- 31. Built 2 two-man outhouses for Daicey Pond Campground.
- 32. Installed new direct vent waterheater in Ranger's camp at Nesowadnehunk.
- 33. Replaced old stair treads with new treads at Warehouse entryway.
- 34. Built 20' laminated carrying beam out of 2"x12" for pole barn and installed in pole barn for second floor storage deck.
- 35. Built new wall in warehouse at basement entryway.
- 36. Tore off entryway building over back cellar entrance to Ware-house.
- 37. Installed new masonite siding on Warehouse.
- 38. Repaired attic entrance, door and frame in Warehouse.
- 39. Insulated attic door in Director's apartment.
- 40. Installed ceiling fan and vented outside of paint room.
- 41. Constructed several picture frames for Buzz, Jean Hoekwater and Rosemary.
- 42. Construction of paint room at Warehouse.
- 43. Installed new door to basement at Warehouse.
- 44. Installed new door that goes from Warehouse to Buzz's apartment.
- 45. Took out door unit at top of stairs to Buzz's apartment and installed new door at top of stairs to Buzz's apartment.
- 46. Installed metal panel siding on Mechanic shop walls.
- 47. Cut and installed trim work around window in Mechanic shop and installed trim work around doors.
- 48. Strapped garage wall with 1x3 strapping.
- 49. Installed P.T. 2x4 nailer bottom plate to concrete floor in Mechanic shop.
- 50. Installed door and track to tool room over new metal wall plates.
- 51. Constructed display booth for Burnt Mountain lightening shed and stained display.
- 52. Installed ceiling molding in garage.
- 53. Installed plywood around perimeter of shop in needed areas as a new metal wall panel protector.
- 54. Framed in above overhead door in hoist bay at Mechanic shop and built header over garage doors.
- 55. Made wooden shelves for storage in garage.
- 56. Assisted Phil in wiring of newly renovated Mechanic shop.
- 57. Built up and installed new corner molding and trim boards in Mechanic shop.
- 58. Installed new trim boards around perimeter of ceiling in

shop.

59. Installed new metal ceiling panels in Mechanic shop.

60. Built coat rack for Carpentry shop.

61. Tim and I built spiral stairway in Mechanic shop.

62. Installed fan in Mechanic shop.

- 63. Built wall brackets for pole barn and installed.
- 64. Constructed firewood money boxes for Abol, Katahdin Stream and Nesowadnehunk.
- 65. Constructed fire shed display cabinet for Burnt Mountain.

66. Built two registration boxes for trailheads.

- 67. Built second story floor over lumber in pole barn.
- 68. Built a cement wall around bulkhead basement entryway.
- 69. Constructed temporary shelter over entryway to protect from freezing.
- 70. Assembled new bulkhead steel door and installed on top of new cement block wall.
- 71. Built new wall in Carpentry shop to form an office.
- 72. Installed door, window and metal siding to match the rest of shop.
- 73. Jacked and blocked old Forestry camp at Togue Pond.
- 74. Installed new safety glass in lobby at Headquarters.

MAINTENANCE RANGER - (Hadley Coolong)

- Installed temporary radio system at Trout Brook Farm Campground office.
- 2. Assisted Maintenance Supervisor in installation of Millinoc-ket garage lighting.
- 3. Assisted in culvert installations on perimeter road due to frost heave action.
- 4. Plumbed bathroom in Park Ranger quarters at Trout Brook Farm.
- 5. Constructed 2 toilets at Lower Fowler Pond.
- 6. Repaired 6 HP outboard motor.
- 7. Repaired lawnmowers for Millinocket grounds, McCarty Field and South Branch Pond.
- 8. Repaired water tank and water pump at Matagamon Gatehouse.
- 9. Performed campground duties at Trout Brook Farm and South Branch Pond.
- 10. Constructed 1 portable toilet for walk-in campsite at Trout Brook Farm.
- 11. Built numerous picnic tables.
- 12. Installed interior siding in Trout Brook Farm Park Ranger's quarters.
- 13. Repaired hand water pump at McCarty Field and hooked up the waterline.
- 14. Built honor system money box at Trout Brook Farm for canoe and firewood monies.
- 15. Repaired the Burnt Mt. toilet.
- 16. Constructed full size toilet for walk-in sites #2 and #3 at Trout Brook Farm.
- 17. Made renovation improvements in kitchen of Park Ranger quarters at Trout Brook Farm.
- 18. Installation of siding and finish boards on the Trout Brook Farm workshop.
- 19. Replaced front wheel bearing on backhoe.
- 20. Installed radio antenna at McCarty Field.

- 21. Installation of new stovepipe at Park Ranger's cabin at Trout Brook Farm.
- 22. Repaired door to South Branch Pond office and built honor system box for monies.
- 23. Built generator stand for generator at Trout Brook Farm.
- 24. Extended hand rails on Trout Brook bridge at Trout Brook Farm.
- 25. Repaired kitchen window and screen door at South Branch Pond.
- 26. Cleaned out Black Brook culvert from beaver dam debris.
- 27. Built portable toilets for Webster Stream lean-to.
- 28. Built door for full size toilet at Boody Brook.
- 29. Installed new floor on the McCarty Field woodshed.
- 30. Repaired office door at Matagamon gate.
- 31. Repaired the water pipe at the Nesowadnehunk Field CRI cabin.
- 32. Split firewood for Trout Brook Farm.
- 33. Moved woodshed to the McCarty Field bunkhouse.
- 34. Installed a woodstove at McCarty Field cabin.
- 35. Repaired the Matagamon gatehouse ceiling.
- 36. Leveled and reblocked the South Branch Pond bunkhouse.
- 37. Built grates for parlor woodstove at Trout Brook Farm.

AUTOMOTIVE MECHANIC - (Timothy Sides) Battery Replacement/Recharge. No. 5-new 33 15 3 1 37 8 18 1 24 9 2 Road calls for Park Equipment No. 1 28 16 14 -5 75 Vehicles Serviced (grease, oil) No. 1 3 22

VI TRAINING

- 1. Park Rangers attended a joint training session with Inland Fisheries and Wildlife (2 day) at the Maine Criminal Justice Academy in Waterville.
- 2. All employees attended the spring orientation put on by the Park and held at facilities at Kidney Pond.

- 3. Fire training sessions were held in Millinocket (classroom) and at Trout Brook Farm (experience hands on). Classes were taught by Rangers of the East Branch District of the Maine Forest Service.
- 4. A solo course (Stonehearth Open Learning Opportunities) was attended by many seasonal employees. The course deals with medical first aid situations where normal medical procedures are unavailable.
- 5. A training session was held near Millinocket involving the 112th Medivac unit from Bangor. Using the hoist, approaching a helicopter and basic functions of the crews was discussed.
- 6. Employees are constantly reviewing policies and exchanging knowledge of various job functions. Carpentry and mechanical skills constantly challenge ingenuity.
- 7. Firearm training was attended by Baxter Park Commissioned Rangers. All Commissioned Rangers were qualified by Captain Reed Campbell of the Millinocket Police Department.
- 8. Title 29 review was held in Millinocket in conjunction with familiarization with rules and regulations of Public Lands (Baxter Park has assumed management dealing with campsites on Public Lands on Webster Lake).
- 9. Employees constantly are engaged in activities that require good judgment. Efforts to strive for knowledge, safety and improvement are appreciated.
- 10. A helicopter safety training session was conducted for Park employees by the 112th Medical Company of the Maine Army National Guard. The training was held in Millinocket, ME.

VII SEARCH AND RESCUE

There were no fatalities in Baxter State Park in 1992. Park personnel assisted with numerous rescues. Noteworthy search and rescues included:

- December 12, 1991 Norman Ewing, 31, of Lincoln, ME, fractured 2 vertebrae in his lower back as a result of a snow-mobile accident on the Park perimeter road in T3R10.
- 2. February 27, 1992 Mtn. climber Gregg Smith sustained an ankle injury on Katahdin (T3R9). Gregg was transported by Rangers from Chimney Pond to Abol Bridge.
- 3. March 4, 1992 An 18 year old male was involved in a snow-mobile accident near Abol Bridge. He sustained an injury to his ribcage.
- 4. June 5, 1992 (T6R10) Park staff assisted in the medical evacuation of Telos dam keeper Jim Drake.
- 5. June 13, 1992 (T3R9) Audrey Hendrickson 65, of Massachusetts, received a serious cut on her lower right leg from a footbridge near Sandy Stream Pond.
- 6. June 28, 1992 Bonnie Reinke, 35, of Greenbelt, MD, injured her right ankle on the Saddle Slide of Katahdin (T3R9).
- 7. July 17, 1992 A Mrs. Dillar spent a night on the Abol Slide (T3R9) on Mt. Katahdin on July 16. Park staff assisted in evacuating this woman off Katahdin on July 17th. She was weakened by fatigue and dehydration.

- July 20, 1992 David Boneparth, age 12, of Princeton, NJ, injured his right knee on the Saddle Trail of Katahdin (T3R9).
- 9. July 28, 1992 Eileen Page, 64, of Dover-Foxcroft, ME, was assisted off the Hunt Trail of Katahdin. She had a laceration on her left calf muscle (T3R10).
- 10. August 1, 1992 An infant female accidentally drank a quantity of sun block lotion.
- 11. August 3, 1992 Josh Sepe was flown out of Russell Pond by MFS pilot Scotty Bates. Josh had a serious ax cut in his lower right leg (T4R9).
- 12. August 9, 1992 Mario Zamora, 34, of Chatilly, VA, received a forehead and knee injury after falling off a footbridge on the Chimney Pond Trail (T3R9).
- 13. August 18, 1992 Park staff assisted capsized canoeist on Kidney Pond (T3R10).
- 14. August 18, 1992 Paul Woodard, mid 50's, broke his pelvis near the Niagara Falls area of the Appalachian Trail (T3R10).
- 15. August 19, 1992 Margaret E. Fruscianti, 41, of Sunrise, FL, fractured her right ankle on the Russell Pond Trail in T3R9.
- 16. August 20, 1992 2 small children, Ashlie Keene, age 4 and Abby Strout, age 5, received multiple hornet stings. Both children went into shock and were transported to the Millinocket Hospital by Park Director Irvin Caverly.
- 17. August 24, 1992 Mary Gooch, of Framingham, MA, had a knee injury while hiking the Hunt Trail of Katahdin (T3R10).
- 18. August 1992 Greg Stevens, 18, of Gorham, ME, received injuries to his left elbow, wrist, knee, foot and buttocks after taking a fall on the Marston Trail in T4R10.
- 19. September 10, 1992 (T3R10) Park staff assisted in the litter evacuation of a female hiker of the Harvard Outing Club down the Hunt Trail of Katahdin.
- 20. September 16, 1992 (T3R10) A Mr. Harold needed Ranger assistance off the Hunt Trail of Katahdin fatigue and old age were factors. Mr. Harold was 83 years old.

VIII LAW ENFORCEMENT

The most common violations in Baxter State Park are illegal camping, fires, littering and fish and game violations. With the continuing increase in the new development of new roads near the boundary of Baxter State Park, there will be opportunity for access and use violations.

Park personnel made a noticeable increase of Ranger patrols in outlying campsites and remote areas of Baxter State Park.

Baxter State Park maintains a relatively low law enforcement profile. Warnings greatly outnumber prosecutions. Park personnel continually strive to educate the user in the proper use of the wilderness resources of Baxter State Park.

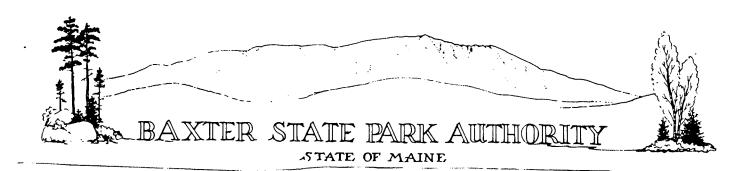
A breakdown of law enforcement activities are:

Prosecutions - 40

Warnings - to numerous to count

Automobile accidents - 13

The 1992 record of law enforcement actions are as follows:

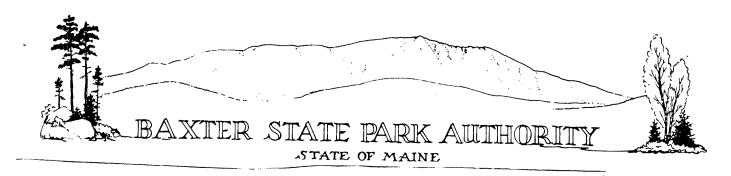


COURT OFFICER Robert Hows

DATE

*P-Physical S-Summons B-Bond

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OFFICER	BDG NO.	RESPONDENT	DOB	ARREST*	OFFENSE	PLACE OF ARREST	COLL.	DISPOSITION .	TIME
Chase	56	Brent Nickerson	10-19-59	S	BSP #9	T5R9	38.50	Guilty	
Chase	56	Gregory Hemphill	7-10-70	S	BSP #6	T5R9	38.50	Guilty	
Chase	56	Gregory Hemphill	7-10-70	S	BSP #9	T5R9	38.50	Guilty	
Chase	56	Brent Nickerson	10-19-59	s	BSP #5	T5R9	38.50	Guilty	
Chase	56	Brent Nickerson	10-19-59	s	BSP #6	T5R9	38.50	Guilty	
Chase	56	Gregory Hemphill	7-10-70	S	BSP #5	T5R9	38.50	Guilty	
Chase	56	Bruce Buck	4-12-64	s	BSP #9	T5R9	38.50	Guilty	
Chase	56	Bruce Buck	4-12-64	S	BSP#5	T5R9	38.50	Guilty	
Chase	56	Bruce Buck	4-12-64	s	BSP #6	T5R9	38.50	Guilty	
Chase	56	Bert Winslow	11-05-70	s	BSP #9	T5R9	38.50	Guilty	
Chase	56	Bert Winslow	11-05-70	s	BSP #6	T5R9	38.50	Guilty	
Chase	56	Scott Allen	3-16-70	s	BSP #9	T5R9	38.50	Guilty	
Chase	56	Bert Winslow	11-05-70	s	BSP #5	T5R9	38.50	Guilty	
Chase	56	Scott Allen	3-16-70	s	BSP #5	T5R9	38.50	Guilty	
Chase	56	Scott Allen	3-16-70	s	BSP #6	T5R9	38.50	Guilty	
Chase	56	Robert Allen	6-29-42	S	BSP #6	T5R9	38.50	Guilty	
					-				

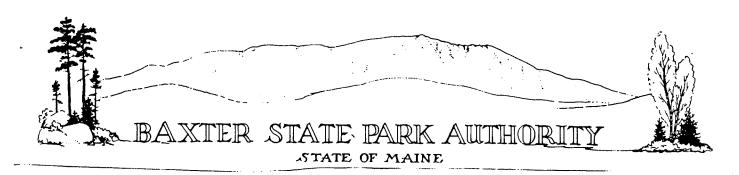


COURT OFFICER
Robert Howes

DATE

*P-Physical S-Summons B-Bond

OFFICER	BDG NO.	RESPONDENT	DOB	ARREST*	OFFENSE	PLACE OF ARREST	COLL.	DISPOSITION	TIME
Howes	53	Joseph Schineller	09-01-62	S	BSP #15	T3R9	38.50	Guilty	
Howes	53	Patrick Belland	02-08-68	S	BsP #1	T3R10	38.50	Guiltv	
Howes	53	Stephanie Garrow	01-18-70	S	BSP #1 ·	T3R10	38.50	Guilty	
Goode	57	Steven Dawson	12-20-69	S	BSP #5	T3R10	38.50	Guilty	
Goode	57	Albert Silveriera	10-28-67	S	BSP #5	T3R10	38.50	Guilty	
Goode	57	James Cavanaugh	05-01-61	S	BSP #5	T3R10		FTA	
Goode	57	Eric Johnson	04-13-65	S	BSP #5	T3R10		FTA	
Howes	53	Kenneth Ford	08-01-70	S	BSP #5	T3R10		FTA	
Goode	57	Norman Steiner	03-23-58	S	BSP #5	T3R10		FTA	
Goode	57	Norman Bedard	08-04-69	S	F&W S-7604	T3R10		FTA	
Goode	57	Stephen Paige	09-14-51	S	F&W S-7036-1	T4R10	55.00	Guilty	
Goode	57	Christopher Clark	12-17-73	S	BSP #5	T3R10	38.50	Guilty	
Goode	57	Bryan Gagner	04-30-73	S	BSP #5	T3R10	38.50	Guilty	
Goode	57	Robert Allen	06-29-42	S	F&W S-7604	T5R9	605.00	Guilty	
Goode	57	Alfred Cole II	11-01-68	S	BSP #21	T3R10	55.00	Guilty	
Goode	57	Billy Rancourt	12-14-64	S.	F&W #7036-1	T4R10	50.00	Guilty	



COURT OFFICER Robert How

DATE

*P-Physical S-Summons

B-Bond

OFFICER	BDG NO:	RESPONDENT	DOB	ARREST*	OFFENSE	PLACE OF ARREST	COLL.	DISPOSITION .	TIME
Chase	56	Robert Allen	6-29-42	S	F&W S-7604	T5R9	550.00	Guilty	
Chase	56	Robert Allen	6-29-42	S	BSP #9	T5R9	38.50	Guilty	
Chase	56	Robert Allen	6-29-42	S	BSP #5 .	T5R9	38.50	Guilty	
Chase	56	Marty Pelletier	6-02-74	s	MV29S1252-1	T6R9	77.00	Guilty	
Chase	56	Scott Walker	2-20-74	s	MV29S1252-1	T6R9	77.00	Guilty	
Chase	56	Michael Boreau	9-09-61	s	M29S1252-1	T6R9	77.00	Guilty	
Drew Crabtree Drew	51 58 51	Todd Hews	5-02-61	S	BSP #19	т3к9	50.00	Guilty	
Crabtree	58	Kent Stevens	10-06-60	S	BSP #19	T3R9	50.00	Guilty	
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IX SPECIAL ACTIVITIES

- 1. Approximately 3 miles of boundary was blazed on the east line. Approximately 3 miles remain before the east line will be completed (over the top of Traveler 2 miles and 1 mile north of Wassataquoik Stream).
- 2. A capital items inventory was taken throughout the Park.
- 3. Five unsafe and unregistered watercraft have been removed from the remote areas of the Park.
- 4. Removal of the old bunkhouse has been completed at Russell Pond after asbestos specialists removed asbestos-laden material.
- 5. A reorganization of the Districts was completed in the spring and put in place for the summer season of 1992.
- 6. Removal of four camps at Togue Pond beach has been completed.
- 7. Major renovation of the Roaring Brook garage has been completed.
- 8. Due to the lack of DOT funds, the Park became involved in in maintenance of the road system by hiring a road grader from Landry's of Patten. He graded the road from Matagamon to Nesowadnehunk Lake (the new road) and included the road to South Branch Ponds.
- 9. The annual bridge inspection was performed by Gary L. Hoar of the Maine Department of Transportation on September 24, and recommendations for corrective measures were forwarded to the Park Headquarters on October 22.
- 10. The policy of adding pit toilets to remote sites continues with the intent of making these areas more aesthetically functional.
- 11. Assistance was given to the State Police Tactical team by moving gear to the Davigneau camp. From reports received, their training exercise was a success.
- 12. More than usual road work had to be done before any traffic could pass over the Park roads in the spring due to a late thaw.
- 13. Help was given to motorists that tried to beat the spring thaw by driving beyond the safety point established at the legal mile, and became mired in mud.
- 14. The fire rings used previously by the High Adventure were removed and the sites are beginning to restore natural growth.
- 15. A home manufactured woodsplitter was used throughout the Park to expedite wood processing thus saving time.
- 16. Due to new Federal standards governing drinking water, all public water facilities were discontinued. New signage encourages public users of Baxter State Park to treat the water before consumption.
- 17. The Park continues its policy of turning the entire Park into a carry-in carry-out solid waste program.
- 18. The Park has assumed some enforcement measures by administrating and caring for sites on Public Lands in the Webster Lake region.
- 19. Park Rangers assisted Warden Service with a car-deer accident on I-95 and the State Police with a head-on car/truck accident in Sherman Station.

- 20. Park Rangers investigated a baiting incident on Rum Mountain where apples and salt had been deposited to attract big game.
- 21. Park Ranger Charlie Kenney took a small loon found in the road between Togue and Millinocket Lake to a releasing site on Millinocket Lake (no apparent injuries).
- 22. Furloughs, as required for State employees, interrupted many facets of operation of Park campgrounds and gatehouses as well as all other operations areas.
- 23. One comment made by an employee was "A good dose of humor is very helpful in getting through the month of August and its busy pace".
- 24. Composting efforts at Chimney Pond seem to be working very well and appears to be the best way to take care of human waste at this high elevation area.
- 25. Nuisance beaver were removed from the Black Brook culvert and the McCarty Field culvert and were transported and released elsewhere.
- 26. Members of the Park staff were involved with the annual loon survey.
- 27. On July 23 a stolen property incident was reported at South Branch. Extra effort is made to prohibit this type of activity anywhere in the Park.
- 28. Staff sawed up a tree that fell on camper's vehicle, rebuilt his canoe rack, pushed out dents of vehicle at Kidney Pond Camps.
- 29. Campfire programs at Daicey and Kidney Ponds with various Park staff, Advisory and Naturalist Assistant.
- 30. Assisted motorists with vehicle problems.
- 31. Gabe Williamson taught games to children at Daicey Pond and to Volunteers For Peace.
- 32. Released a duckling left by a camper into Daicey Pond.
- 33. Marcia and Gabe Williamson assisted a very distraught camper whom had a firearm and was suicidal to himself and they coordinated assistance with Ranger Howes and AA friend.
- 34. Assisted with CCC reunion at Kidney Pond.
- 35. Assisted person from Camp Phoenix whom had flat tire on his tractor.
- 36. Camp Trail Mark volunteered services on a project at Foster Field.
- 37. Trapped and transported problem bear from Camp Natarswi.
- 38. Presented bear program to Camp Natarswi staff; instructed Camp Natarswi on use of bear trap.
- 39. Instructed Explorer Post Scouts on work projects at Abol Scout Base.
- 40. Transported volunteers and Warden Randy Probert across Webster Lake.
- 41. Presented program on Environmental Day at Headquarters for Girl Scout Troop 431.
- 42. Transported Wilderness Rescue Team from Roaring Brook to Abol Bridge for search at Acadia.
- 43. Assisted Piscataquis Sheriff's Office with information and assistance regarding vehicle break at mile thirteen on the Golden Road.

X PROJECTION OF MAJOR PROJECTS FOR 1993-94

- 1. Construction of gas tank shelter at Nesowadnehunk Field.
- 2. Survey and paint new Togue Pond land purchase acreage.
- Move the Togue Pond gate booth to the junction of the Roaring Brook road.
- 4. Remove the old boat house at Togue Pond.
- 5. Renovate the Togue Pond shower/laundry house to a conference facility.
- 6. Renovate the Carpenter cabin for staff use.
- 7. Install the leachfield for the Togue Pond complex.
- 8. Stabilize the foundation to the Nesowadnehunk Field Ranger station.
- 9. Siding repair and staining of the Millinocket Headquarters facility.
- 10. Renovation of the Kidney Pond library and lodge facility.
- 11. Renovation of the Trout Brook Farm Park Ranger cabin (installation of new siding).
- 12. Continuation of the boundary repainting program.
- 13. Construction of a woodshed for the Chimney Pond bunkhouse.
- 14. Construction of a composting toilet at Chimney Pond.

XI 1992 BAXTER STATE PARK VOLUNTEER PROGRAM

John Howard, the Baxter State Park Volunteer coordinator, has compiled the following 1991 volunteer statistics:

A total of 247 volunteers donated 9,008 hours toward the maintenance, operation and preservation of Baxter State Park.

Volunteer hours by location are as follows:

Abol	240	hours
Boundary work	105	hours
Chimney Pond	415	hours
Daicey Pond	558	hours
Headquarters/Supply	604	hours
Katahdin Stream	83	hours
Kidney Pond	1,268	hours
Matagamon Gate	76	hours
McCarty Field	192	hours
Miscellaneous	1,179	hours
Nesowadnehunk Field	135	hours
Russell Pond	168	hours
South Branch Pond	205	hours
Togue Pond	424	hours
Train Maintenance	1,932	hours
Trout Brook Farm	544	hours
Webster Lake	<u>880</u>	hours

Total

9,008 hours

A list of the names of Baxter State Park 1992 Volunteers follows:

William Armstrong Cheryle and Lauren Balsley Bud and Fern Bard Jim Barden John Barlow Christi Beltramo Roland and Janice Bilodeau Deborah Bobotos Richard Bray Mac and Jodi Browning Laurie Buck Rita Bujold Ruth Buttler Gladys Buzzell C-Hawks (Chaitanya York) Camp Phoenix Group Capital Area Technical Center Georgette and Dennis Carigan Patricia Carlson Paul Caver Rick Cole Alice Crabtree John Crowe Stephen Crowe Hilda Davis Ron and Lee Davis Stephen Day Eunice Dobbs William Dobbs, Jr. Gary and Lynne Doliber Harry Doughty Wallis and Lael (Scott) Drew Richard Duddy Dave Flannagan Fletcher Raymond Fortunate George Foster Robert Foster, Sr. Diane Freelove (Jennifer & Ron) Ben Tupper Freeport High School David and Dorrie Getchel Girl Scout Troop 338 Kristen Goddard Tom and Adam Goetz John Gondek Regina and Loren, Jr., Goode David Goodrich Jim and Jackie Hall Roland and Margaret Hanscomb Rowena Harvey Mel and Jean Heckman

Howard and Judith Melcher-King Homer King Ralph Krasevec Ken Limmer Bev McNally Harold and Charlotte McNally Joanne May Robert Merrill Terry Ann Miller John and Judy Mingus Tom and Marge Mitchell Fay Morley Norman and Paula Mrozicki Tracy Nadeau Gary Nelson Helmars Ozolins Philip Pepin John and Alice Place Carol Prosser Kevin and Elaine Prosser Roger and Lori Rand Elsa Sanborn Wayne Shedd Thomas Shoesmith Benjamin Silberlarb Teven Silberberg Michael Simonds Edward Smith Oscar Smith Marianne Sto Marianne Stockly Robert and Carole Stone Olga Stankofsuich John Taylor David Terrible Matthew Terrible Jane Thomas Latona Torrey Frank Trautmann Howland Turner UMPI Harold Underhill Joanne Vandenbosoche Mike Varange Volunteers For Peace:

Tracy and Jennifer Napoli Maiken Linga...
Lech & Barbara Kowarca,
Mireille Henriroux and
Wichel Hamaroc Joshua Bienfang Lech & Barbara Kowalczyk Clifford and Pearl Hemingway Michel Hamaroc

Eric Hendrickson William Hill Alan, Matt and Josh Howard John and Betty Howard John Howerton Jeannie and Kenyon Howes Linda Ives Steven Jackson Allen Jalbert Charles James

Alfonso Minones Garrido Nikolaus Halfman Frank Van Eynde Curtis Washburn Janet Wagner Michael Weaver Judy Wentzell Earl and Margie Wentzell Scott and Varlerie Whitcomb Wilderness Search & Rescue Nancy Zimmerman

A list of Trail Crew Volunteers is found on the Trail Maintenance portion of this Annual Report.

The Volunteers For Peace group spent two weeks in the Kidney Pond area of Baxter State Park from July 18 to August 1. The names of these volunteers are:

Tracy and Jenifer Napoli 19038 Center Ave. Homewood, IL 60430

Alfonso Minones Garrido Calle Salorio Suarez N:2 4 Zzq La Coruna SPAIN

Joshua Bienfang 2 Tabor Hill Rd. Lincoln, MA 01773 Carlos Aladjem Talvy Viladoma 247 Barcelona 08029 SPAIN

Maiken Lindahl Klokkesvinget 4 Bureso 3550 Slangerud DENMARK Nikolaus Halfmann Moerser Landstrasse Nikolaus Halfmann 151/4150 Krefeld GERMANY

Lech & Barbara Kowalczyk Konzumni 27 Havirov-Sumbark 73600 CZECHOSLOVAKIA

Frank Van Eynde Louisweg 29 8620 Nieuwpoort BELGIUM

Mireille Henriroux & Michel Hamard Curtis Washburn 81 Rue de la Republique 134 Wadhams Road 93200 Saint Denis Bloomfield CT 06002 FRANCE

ANNUAL REPORT OF MAINE SCIENTIFIC COLLECTOR PERMITTEE FOR THE CALENDAR YEAR, 1992

IMPORTANT: This report must be submitted on or before January 31, 1993 to the:

Maine Department of Inland Fisheries and Wildlife, Wildlife Research Section, P. O. Box 1298, Bangor, Maine 04402-1298.

I herewith submit my report of activities conducted under Maine Scientific Collector's Permit dated ______ as listed below:

This report includes activities undertaken by myself and any of my subpermittees: (Please list birds and animals taken by number and species). Additional pages may be used.

Black bear - July 5 T2R9 Piscataquis Co. live trapped 1 black bear at Natarswi Girl Scout Camp and relocated to T9R5 Wels, Aroostook Co. Beaver - June 6, 1992 1 beaver live trapped in R2R9 near Togue Pond gate and relocated to Compass Pd. in T2R9.

July 23, 1992 - 1 beaver live trapped at McCarty Field, T5,R10 and relocated to Thissell Pd. on T5,R11.

July 25, 1992 - 1 beaver live trapped at McCarty Field, T5R10 and relocated to Thissell Pd. T5R11.

Oct. 4, 1992 - 1 beaver live trapped at Barren Bk. T3R10 and relocated to Abol Pd. - T2R9.

Oct. 5, 1992 - 1 beaver live trapped at Beaver Bk T3R10 and relocated to Abol Pd. T2R9.

Please list current subpermittees: Loren Goode - Park Ranger Jean Hoekwater - Park Naturalist Robert Howes - Park Ranger II Charlie Kenney - Park Ranger

IMPORTANT: You are legally required to have both a Federal and State permit if collecting migratory birds or rare and endangered species.

I do not wish to renew my permit / /

If you need to continue current activities in order to complete/meet the objectives of the described project for which your past year's permit was issued, complete the enclosed application (except question 6). If you wish to change your objectives, amend your current project, or initiate a new one, complete the entire application (including question 6).

NAME	Chris	Μ.	Drew

ADDRESS Baxter State Park, 64 Balsam Dr., Millinocket, ME 04462

C. SCIENTIFIC FOREST MANAGEMENT AREA Jensen Bissell, Resource Manager

			,	

C. SCIENTIFIC FOREST MANAGEMENT AREA Jensen Bissell, Resource Manager



"Silviculture is forest architecture aimed at the design of stands with outward shape and internal construction that will serve the intended purposes, be in harmony with the environment and withstand the loads imposed by environmental influences"

From: The Practice of Silviculture, David M. Smith, 1986 edition.

FOREST ISSUES AND ADMINISTRATION

In 1991, Park staff began a long effort toward evaluating the Park's organizational structure and effectiveness. This effort culminated in a reorganization of portions of the working units within the Park. The reorganization also consolidated the management of all SFMA resources under the Resource Manager. Prior to the reorganization, recreation management was the responsibility of the District Ranger. This administrative change provides a clearer pathway to the evolution of integrated and diverse management of all forest resources in the Scientific Forest Management Area.

The SFMA Advisory Committee continues to play an active and energetic role in the evolution of the SFMA. The committee gathered for three meetings and a workshop in 1992. The winter meeting was held on February 4th, hosted by Chair Bob Frank USFS building in Orono. On April 22, the committee met Baskehegan Lands office for the annual review of the past season's operations, including a review of harvest and volume levels and extended discussion of the implementation of a short-wood or cut-to-length system in the SFMA. September 11th was the date of annual field tour, this year concentrating on a review the areas harvested during the early and mid 1980's. This tour generated some spirited discussion regarding the options for management of these harvested sites. A prominent subject of the discussion was the appropriateness and applicability of herbicides in both a site specific and regional context.

A subject of discussion for some time within the committee and Park staff has been the determination of the appropriate interface between forest management activities and recreation activities along the "Webster Corridor" and the formulation of long-term policy guiding recreational use levels on the corridor. These issues are complex and involve long-term recreation policy on Webster Lake and Stream as well as consideration of the management of all forest resources as they relate to both the riparian areas of the Webster watercourse and recreation use.

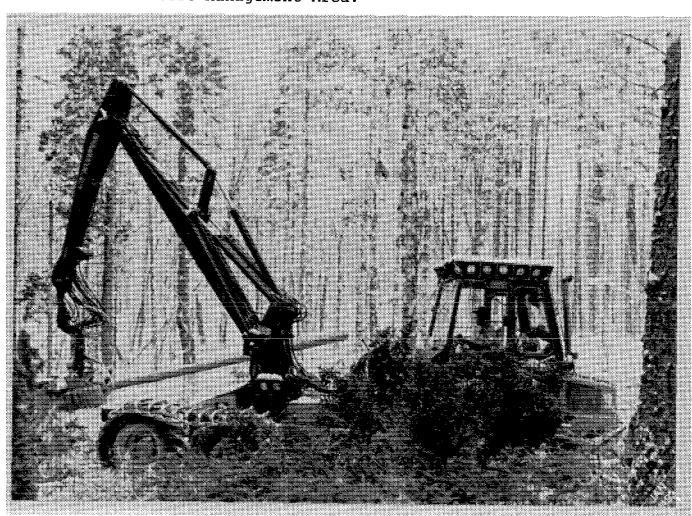


As a first step toward consolidating recreational policy for entire corridor, discussions were opened with the Bureau of Public Lands. These discussions provided for the consideration of recreational use through the whole resource instead of only the Park owned portion and resulted in a more effective policy discussion. As a result, the Bureau signed an agreement with the Baxter Park Authority allowing the Park to establish and maintain to Park standards two campsites on the BPL portion of Webster Lake. From the standpoint of reservations and fees, these two sites will be treated as any other BSP campsite. The agreement will be reviewed annually by BSP and BPL personnel. Reservations will be made and fees collected for these sites by BSP.

Also to be considered in any discussion of the Webster corridor is the role of Bangor Hydro in the water levels and streamflow of Webster Lake and Stream. Robert Briggs, president of Bangor Hydro, responded to the Director's request and arrived at Park Headquarters with two other staff for an informative afternoon meeting. Park administrative staff learned a great deal about Bangor Hydro's approach and needs in water management and took the opportunity to express the Park's concerns regarding wildlife and recreation.

In order to generate informed discussion within the SFMA Advisory Committee, a workshop was held at Webster Lake on July 31. The workshop included a discussion of the issues and current use patterns and levels and a tour of sites on the Lake including the newly installed BPL sites. On the following day, committee members canoed Webster Stream to Little East. Sometime in 1993, the discussion will be formulated to policy and presented for inclusion into the SFMA management plan document.

In 1990 and early 1991, a Swedish short-wood system was tested on selected stands within the SFMA. This approach to harvesting utilizes two machines, a processor and a forwarder. Harvested trees are cut from the stump, limbed and bucked into logs or pulpwood tree by tree as opposed to the prevalent northern Maine method of yarding trees to the roadside at full length and with the limbs attached. The shortwood or "cut-to-length" system is prevalent in the Scandinavian countries that so impressed Percival Baxter. The approach of the shortwood system to wood harvesting is different in many ways from more typical harvesting equipment and the Advisory, Park staff, and SFMA forest contractor Randy Cyr spent many hours in discussion of the pros and cons of this system as it relates to long-term forest management in the SFMA. In the final analysis, the concensus was strongly supportive of the beneficial effects on site disturbance, protection of young regeneration, distribution of limbs, reduction in necessary yard space, product utilization and increased safety. Based on these conclusions, the Authority supported Contractor Cyr's decision to purchase this equipment and train personnel specifically for harvesting operations on the Scientific Forest Management Area.



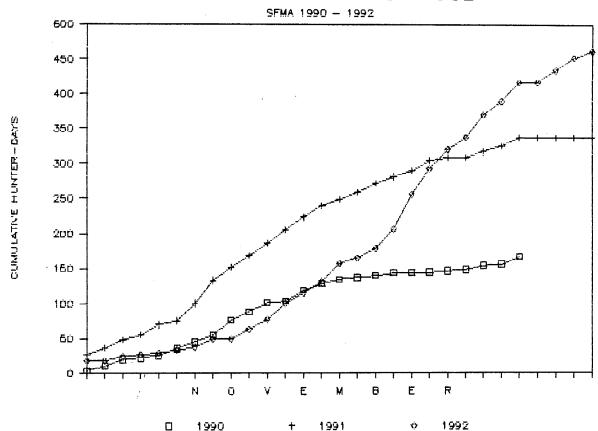


In mid May, the Rottne system began harvesting work in Compartment 11, Block 35. The Rottne crew, Andy Anderson and Milford Hartin, learned the system very quickly. The intent of Contactor Randy Cyr was to fairly test the system at its best and to approach the harvesting crew as competent professionals. To this end, Randy paid the crew on a salary basis with no attachment to production per se, but with the single objective of high quaiity work in conformance with the standards of the SFMA. Throughout 1992, the system was tested in a wide variety of stands and under somewhat different harvest prescriptions. The results were very encouraging and will form the basis for what will hopefully be a long and productive period of forest improvement in the SFMA.

In accordance with current policy, the North side access gate was closed at the end of the 91-92 harvest operations, around March 10th, and opened in early May when frost had cleared the roadbeds. The summer of 1992 was very dry in July and August and this required the closing of the gate in the evenings and on weekends. Prior to hunting season, new road construction and vulnerable winter roads were blocked with cull logs and signed as "Open to Foot Traffic Only". These closures were respected without exception through the 1992 hunting season.

Data collected from self-registration cards indicated another increase in hunter day-use on the SFMA in 1992. As in 1991, some of this increase is the result of return hunters becoming familiar with the system and knowing to register at entry, but it is apparent by the magnitude of the change that use has increased as well. Accurate figures are hard to obtain, but my personal observation left the impression that hunter success was below that of previous years.

NOVEMBER HUNTER DAY USE



FOREST EDUCATION

On May 11th, a UMO College of Forest Resources field group led by Drs. Al Kimball and Bob Seymour made what has become an annual stop on the SFMA. On September 18th, Dr. Ray Owen toured the SFMA with another College of Forest Resources group. The tours viewed a variety of stand treatments and forest structures and discussed the SFMA's approach to stand development and forest resource management and policy.



Signing continues to offer opportunities in the SFMA to inform and educate the users of the area. In addition to signing, work has begun in earnest on the completion of a pamphlet explaining, describing and detailing the SFMA. When completed, the pamphlets will be available at Park Headquarters and in the self-registration boxes at the two SFMA entrances.

PUBLIC RELATIONS

As Resource Manager, I also worked with another forester in administering the forest management unit at the Central Maine "Envirothon".

I also represented Baxter State Park at M.S.A.D. 25's Science Fair held at Katahdin High School. This event, organized by Dave Wilkins, offered a great opportunity to participate in education. Students moved in groups through a series of environmental settings and instructors. I worked with students in a forest setting, discussing stand development, species interactions and tree growth and age.

On September 24, I presented a talk on the SFMA and participated in a panel discussion at the Society of American Foresters Maine Chapter fall meeting in Augusta.

FOREST OPERATIONS AND ACTIVITIES

Structures

The Coffeelos crew camps were stained in April with a Cedartoned stain. Late in 1991, a fabricated log structure that had served for many years as the gatehouse at the now non-existent Telos Gate was jacked up and moved to the Coffeelos crew camp site by woods contractor Randy Cyr. In the spring on 1992, Randy employed a crew of 2 people for several weeks in a complete renovation of the interior of the old camp to serve as additional crew housing. The renovation was very well done and the camp has been brought on line and served the 1992 season as an excellent housing facility for SFMA woods crews.

The Webster Lake camp was filled through the season with BSP volunteers who provided labor in trail clearing, cleaning and maintenance of sites and maintenance of the Webster camp. Each year, volunteers put in long hours in resource protection for BSP and this effort is greatly appreciated. Volunteers Dave and Dory Getchell were a great help in constructing fireplaces and privies in time to bring the newly-established Little Coffeelos and Telos Cut campsites (see Forest Issues and Administration) on line for the 1992 season. Volunteers John Mingus and Bob Stone and Co. were a great help in replacing the front sill on the Webster Lake Camp. Late in 1992, materials were provisioned for the replacement of the camp roof in 1993.

In response to discussions with Bangor Hydro personnel, in 1993, BSP will begin gathering data on Webster Lake water levels. A simple, temporary gauge will be installed after ice-out and both lake levels and rainfall will be recorded for the season. These figures, when matched against Bangor Hydro's release data for the Telos dam, will help determine the actual effect of dam releases on the water level of Webster Lake.

Trails

The two major trails in the SFMA, the Freezeout and Webster Lake trails, were cleared and maintained by a combination of volunteer and trail crew efforts. Although less than in past years, the Freezeout Trail continues to suffer from windthrow, principally mature balsam fir, as the streamside stands continue to break up as a result of natural cycles. The Webster Stream leanto is in need of either maintenance work or removal and will be discussed in 1993.

Boundaries

Entrance points have some need for maintenance and this is planned in 1993. Plans include re-staining and lettering of three entrance signs and construction of a larger, more visible registration box. The new box will hold hand-out pamphlets and maps as well as provide registration cards. If possible, construction of a south entrance gate will begin.

The west line of T6R10 W.E.L.S north of Webster Stream was reached in the course of field reconnaissance. Although in need of repainting, the line was found to be easily traceable. Plans are to repaint this line before 1995.



Roads

The forest management roads within the SFMA and the 7 miles of road on Maine Public Lands accessing the SFMA from GNP's Telos Road were graded by Randy Cyr and crew. SFMA roads were additionally worked with a road rake. No surfacing was hauled for SFMA roads this year. Surfacing was hauled for the replacement of culverts on the BPL section of road in a continuing effort to upgrade the drainage on this road.

The construction of forest management roads in the SFMA continued in 1992 under average site and weather conditions. The personnel employed by Randy Cyr in this effort have returned for a number of years now and each year their site-specific experience adds to the quality of the road construction. A summary of 1992 construction follows:

Summer	Road:		
	Brayley Ridge Road extension:	2180'	
	Webster Ledge Road extension:	2450'	
	North Line Road extension:	1380'	
	Moosebone Road	20321	
	Madunkchunk Road	2490'	
	Crossbill Road	1304'	
Winter	Summer Total: Road:	11,836	feet
	West Spur extension	3900'	
	South Spur Road	1300'	
	Winter Total	5,200	feet
	1992 Total	17,036	feet

All roadside ditches and debris sites will be seeded in May of 1993. Winter road is not anticipated for construction in 1993. Harvest totals and approximate acreage from right-of-way clearing are listed in the harvest summary (see the next section) under "ROW". Acres are calculated based on construction length and a 55' average road width.

Forest Management

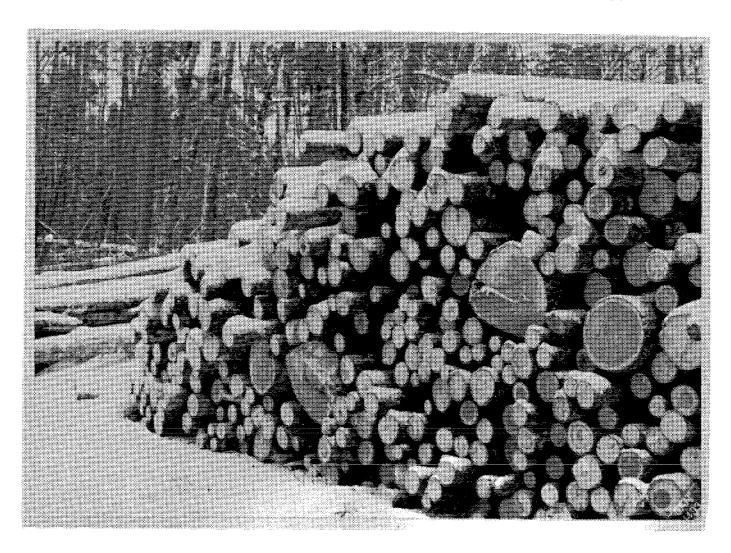
Forest stand treatments were spread over approximately 509 acres in calendar year 1992, compared to 518 acres in 1991. This year 98% or more of the acreage was marked by prior to harvest with the majority of the marking being accomplished by John Mills working under contract with BSP to provide forest management services. As in the past, around 25% of the acreage accessed by road construction is not treated in consideration of stand conditions, natural features and/or diversity goals. The majority of the stand treatments are partial harvest operations in mature softwood or mixedwood which attempt to condition the stand. Typically, harvests focus on removing poor quality spruce, and intolerant hardwoods such as white birch and aspen. Removals range from 25% to 50% of the original stand volume and generally concentrate on enhancing future growth on trees with promise and potential, establishing healthy representative regeneration and maintaining or improving forest health and diversity. In 1992, two larger (20-30 acre) openings were created in failing stands on the North Line Road. From a diversity standpoint, these harvests are beneficial in providing a small amount of true opening and young age class in an otherwise unbroken cover of vertically mature forest. These general objectives of diversity and stand improvement will guide much of the stand treatment activities on the SFMA into the next century.



In order to store, sort and retrieve the substantial amount of information generated from cruising and harvest of SFMA stands, a database format was constructed for the SFMA in 1992. Existing data will hopefully be entered into the database by mid 1993, leaving only maintainance entry of new data. This effort will provide a continuing history of information on each block identified and will allow more informed decision making regarding SFMA resource issues. It is hoped that this database can eventually be married to a Geographic Information System to provide a visual perspective on landscape management issues.

A couple of issues recieved some informal study in 1992. On about one acre of land harvested heavily (essentially clear cut) around 1985 the softwood regeneration was manually released from hardwood competition. Some minor details in this work will be completed in the spring of 1993 and the area will be cruised, blocked and signed for entry into the SMFA database. Windthrow is a constant concern in partial harvests in spruce\fir and spruce\northern hardwoods types. To better evaluate the effects of windthrow on our recently harvested stands line surveys were conducted throw both harvested blocks and adjacent unharvested (control) blocks. This information will be evaluated after operations have ended in 1993.

The wood products market continued to be somewhat soft overall in 1992 as the country struggled to shed the weight of reces-Softwood pulpwood markets have been available and strong enough to support operations in the SFMA. This is of great importance as with the long term need for stand conditioning, softwood pulpwood will continue to form a large part of the product mix into the future. Hardwood pulpwood will always be a difficult economic proposition for the SFMA, but from a stand improvement perspective, hardwood pulpwood must be removed. Softwood logs continue to be the strong revenue-producer in the SFMA. In past years, softwood logs have provided 15 to 20% of the overall volume and 50% of the overall revenue. In 1992, I believe we will see an improvement in this figure to 25 to 30% of overall volume with the increased utilization inherent with the shortwood system now in place. This increase in the overall percentage gleaned from stand treatments will help the economic picture of the SFMA into the future. A bright spot in marketing was our experience with hardwood logs. This market became very strong in 1992 and the SFMA was successful in merchandizing about 115 thousand board feet of birch and maple logs with enough profit margin to cover all losses incurred from the sale of hardwood pulp. Efforts in this area will continue in 1993.



Since 1988, crews under the employ of Randy K. Cyr, Inc. have provided conscientious, professional efforts in wood harvesting, road construction and maintainance and a variety of other tasks involved in day-to-day management work on the SFMA. These crews typically work 40 to 45 weeks on the SFMA, staying in the Coffeelos crew camps from Monday through Thursday. Personnel contributing to work on the SFMA in 1992 were as follows:

Harvest:

Crew 5: Mark MacDonald, Doug Cunningham

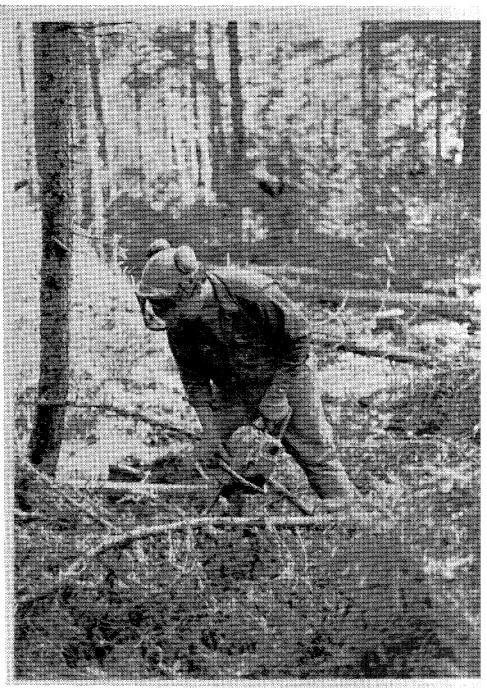
Crew 2: Solomon Shaw

Rottne: Andy Anderson, Milford Hartin

Wood preparation, loading, plowing, sanding, etc.
Alston Crandall, Dean Slaunwhite

Trucking: Rusty Springer

Road Construction:
Brian Boutilier
Jim Slaunwhite



OTHER ACTIVITIES

Mt. Chase

The Mt. Chase Lot is one of two 200 acre out-parcels purchaseed with Baxter Trust Fund monies and administered by the Baxter State Park Authority. The Mt. Chase Lot is located outside of Patten on the Owlsboro Road in the Town of Mount Chase. This lot was cruised in 1990 and a management document written in The oldest norway spruce (Picea abies) plantation in Maine, planted in 1916, occupies 16 acres of the parcel adjacent to the Owlsboro Road. This stand was last thinned in the mid This thinning improved growth in the stand for about 10 60's. In the mid 70's the crowns closed again and growth vears. slowed. In March of 1992, this stand was marked for harvest and "thinned from below". A thinning from below removes stems of the smaller diameter with crowns that have failed to achieve a part in the primary forest canopy. Larger stems are cut only if they exhibit some overt defect or indicate imminent mortality. The resulting thinning, accomplished with the shortwood system, left a park-like, open stand of large spruce. After the harvest, the trees along the Owlsboro Road were pruned to 17' for quality improvement and to allow passers by to view the stand. A sign was posted indicating the name of the lot and the managing authority. The remaining stands on the parcel were mostly harvested in previous activities - it will be 15 years before another activity is anticipated on the Mt. Chase Lot.

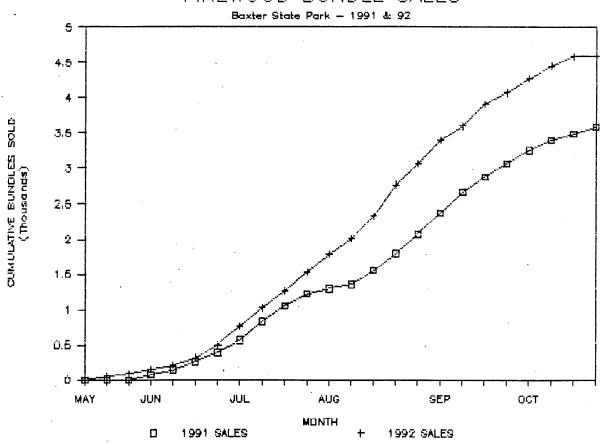
Austin Cary Lot

Much progress was made on the formation of a management plan for this interesting 200 acre out-parcel located in South Harps-well. In July, a Baxter Park Authority meeting was held adjacent to the Austin Cary Lot at the Harpswell Island School. This meeting venue provided opportunities to discuss the issues to be addressed in management of the area and walk the parcel to view specific features and areas. An advisory committee was appointed by the Authority to assist Park staff in the forming of a planning document for Authority consideration in 1993. At the time of this writing, a draft document is in circulation for review.

Firewood Sales

The sale of firewood continued in 1992 and in general, procedures and techniques were perfected. Sales improved in 1992 over 1991, probably due a combination of factors including weather, camper awareness, and availability of bundles for purchase. This venture is firmly in place and will continue in future years.

FIREWOOD BUNDLE SALES



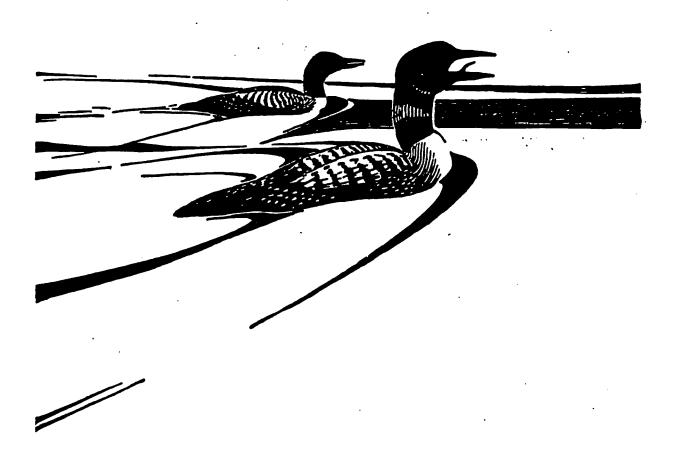
FTREWOOD BUNDLE SALES BAXTER STATE PARK - 1992

Sale								
Period Ending		Abo1	Ktdn Str	Rrng		South	Trout.	
		ADD1	ai.r	Brook	Neso	Brnch 	Brook	TOTALS
5/16	MAY							0
5/23			38	•		14		52
5/30			19			19	•	38
6/06	JUNE	25	11			22	•	58
6/13			34	15		7		56
6/20		27	32	32	16			107
6/27		54	47	56	30			187
7/04	JULY	47	48	53	68	4.5	2	261
7/11		68	61	37	53	45	9	264
7/18		58	62	37	37	45	27	239
7/25		67	58	27	52	64	15	268
8/01	AUGUST	47	66	30	56	49	24	248
8/08		40	40	43	37	68	21	228
8/15		45	58	46	80	93	50	322
8/22		· 75	63	43	108	148		437
8/29		70	41	42	65	80	26	298
9/05	SEPTEMBER	53	73	67	80	54		327
9/12			51	54	4.5	54		204
9/19		71	56	73	32	86		318
9/26			45	60	14	41		160
10/03	OCTOBER	59	59	71		7		196
10/10		38	38	71		37	3	184
10/17		9	25		59	35	9	137
TOTALS	1991	853	1025	857	832	1013	186	4766
% OF TO	TAT.	18%	22%	18%	17%	21%	4%	100%

1992 HA	RVEST BLOC	KS					A O F	U M	E				AOTAME	AOTAME	VOLUME	AOTAME	VOLUME	VOLUME
						PULP		STUDWOOD	LOC				TOTALS		TOTALS	TOTALS	TOTALS	TOTALS
	ACCESS	BLOCK	CREW	ACRES	S/F	ASPEN	MXD HDWD	S/F	SPRUCE	PINE	MAPLE	BIRCH	(CORDS)	(CDS/AC)	CORDS	(CDS/AC)	CORDS	(CDS/AC1
	BRR	C11B19	5	4	211.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.04	11.76	47.04	11.76		
*7	WEST SPU	R ROW	5	7	142.85	0.00	0.00	167.30	0.00	0.00	0.00	0.00	68.92	10.35			68.92	10.05
	BRR	C11B16	5	50	1223.90	0.00	452.18	0.00	26.73	0.00	0.00	0.00	415.87	8.32	415.87	13.00		
	NLR	C11B31W	5	25	691.35	0.00	174.09	281.20	0.00	4.03	0.00	0.00	259.00	10.36	257.66	18.40		
*1	T-Line	C4B7W	5	8	286.05	0.00	0.00	92.08	0.00	0.00	0.00	0.00	84.03	10.50	84.03	10.50		
•	BRR	C11B21	Rottne	30	822.60	0.00	56.96	0.00	68.16	0.00	0.00	0.00	370.51	11.02	330.51	18.36		
* 8	OBR	C9B30	Rottne	15	643.64	107.78	161.15	0.00	23.36	2.12	0.00	0.00	247.77	16.52	247.77	17.70		
	MBR	C11B11	Rottne	34	751.70	0.00	0.00	0.00	19.95	0.00	0.00	0.00	206.94	6.09	206.94	9.41		
*2	OCR	C9B27	Rottne/5	22	379.15	0.00	25.11	0.00	46.24	3.62	0.00	0.00	189.00	8.59	189.00	8.59		
	MBR	C11B25	Rottne	27	791.10	0.00	196.38	0.00	37.15	7.27	0.00	0.00	303.90	11.26	303.90	16.88		
	NLR	C11B33W	5	22	697.15	0.00	0.00	425.52	0.00	0.00	0.00	0.00	249.48	11.34	249.48	17.82		
*4	NLR	C11B32W	· 5	10	916.25	0.00	559.35	604.10	0.00	13.26	0.00	0.00	476.25	47.63	476.25	47.63		
* 5	MBR	CIIBEW	2	16	346.55	0.00	0.00	206.20	0.00	0.00	0.00	0.00	122.83	7.68				
	MBR	C11B27	2	20	492.95	0.00	0.00	330.06	0.00	0.00	0.00	0.00	182.89	9.14	182.89	9.14		
*9	NLR	C11B30	2	10	540.90	56.12	0.00	0.00	0.00	4.03	0.00	0.00	139.48	13.95	140.83	28.17		
	BPR	C11B15	5	28	969.95	0.00	397.34	0.00	11.41	0.00	0.00	0.00	317.84	11.35	317.84	18.70		
	BRR	ROW	5	3	271.67	0.00	162.77	0.00	10.26	1.85	2.11	0.00	121.38	44.14			121.38	44.14
	BPR	C11B20	Rottne	32	887.30	0.00	321.32	0.00	72.83	0.00	0.00	0.00	407.09	12.72	407.09	20.35		
	BBR	C9B33	Rottne	34	834.16	380.84	120.68	0.00	54.82	4.30	0.00	0.00	403.91	11.88	403.91	19.23		
	MBR	C11B26	Rottne	50	904.55	0.00	123.72	0.00	45.01	5.28	0.00	0.00	328.34	6.57	328.34	10.26		
	WLR	ROW	5	3	316.95	0.00	144.25	0.00	11.97	2.16	0.00	0.00	127.55	41.28			127.55	41.1F
* 3	HLR	C11B3W	4	14	743.83	0.00	10.02	251.89	0.90	0.00	0.00	0.00	223.27	15.95	223.27	15.95		
*6	NLR	C11B36W	4	13	1169.43	0.00	719.94	924.65	0.00	13.99	0.00	0.00	637.32	49.02	637.32			
	HORNET	C11B29	Rottne	10	478.60	0.00		0.00	23.73	2.21	0.00	0.00						
	NLR	C11B35	Rottne	37	908.00	0.00		0.00	89.10	0.00	0.00	0.00				16.96		
	Moosebon		5	3	256.58	0.00		0.00	9.69	1.75	0.00	0.00					90.33	
	Madunkch		5	3	316.95	0.00		0.00	11.97	2.16			114.12				114.17	
	NLR	ROW	5	2	181.12	0.00		0.00	6.84	1.24			65.22				65.22	
	Crossbil		5	2	166.02	0.00		0.00	6.27	1.13			59.78				59.78	35.45
		BLOWDOWN	1 2	0.00	42.80	0.00		0.00	0.00	0.00	0.00	0.00						
TOTALS				532.5B	17385.75		4009.45		575.48	71.41	2.11		6801.90		6143.01	18.69	649.35	24.59
TOTALS IN CORDS					3863.50	108.95	801.89	729.56	1150.96	142.82	4.23	0.00	5801.90					
PERCENTAGE OF TO					57%	. 2	<u>%</u> 129				0.00		100					
*1: remaining 8							TOTAL LOC			649.00			1298.01					
*2: remaining 2:							TOTAL PUI	P (m-1bs	& cds)	21939.94			4774.34	70	*			
*3: remaining 14																		
*4: remaining 1																		
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*7:ROW cut in C *8: 15 acres ou							TOTAL STU	THOUD (III-	lbs & ads)	1481.UV			748.75	11	5			
*9: 10 acres or					inichad in	G1 hur a	ray 51											
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D. INFORMATION/EDUCATION Jean Hoekwater, Naturalist



Like the deer, I need not travel in straight lines with my trail. It is a principle of forest life that straight lines do not exist. As I walk the trail, the forest is making tracks upon me that will not be easily erased. The universe has been quite literally writing upon humans for many thousands of years, and our alphabets are among the trails that nature has carved in order to cross our minds. Wild lands have cut deeper trails in my life than I will ever be able to make in the forest.

INFORMATION/EDUCATION JEAN HOEKWATER. BSP NATURALIST

I PUBLIC PROGRAMS

The following agencies or groups hosted programs given by the Park Naturalist January - December 1992:

Patten Senior Citizens Patten Men's Club Benedicta Elementary - Career Day Millinocket Brownies Millinocket Garden Club Sherman Brownies Millinocket Boy Scouts Togue Pond Middle School Science Days (2) New England Federation of Garden Clubs of Maine Chapter Opal Myrick field trip to Katahdin Stream Falls Natarswi Leaders' training - S. Turner climb Pentecostal Church School Patten Millinocket Boy Scouts and Cub Scouts - hike to Celia Pond Volunteers for Peace - nature hike "Back-to-Nature-Days" Arthur Howell Wildlife Refuge, Hodgen Hogden 5th & 6th grades - field trip preparation Millinocket Middle SChool - geology hike up S. Turner Hogdon High School - Non-Traditional Career Panel 3 evening programs at Daicey/Kidney plus assisting with the presentation of 3 others.

This year, Baxter State Park hosted 2 PROJECT WILD workshops, one on May 16 and one on September 17. PROJECT WILD is an interdisciplinary curriculum for grades K-12. The Statewide coordinator of PROJECT WILD, Lisa Kane, of Maine Inland Fisheries & Wildlife, led each of the workshops with on-site assistance from the BSP Naturalist and local Middle School teacher Bob Chase. workshop was an introduction to the general curriculum and the September workshop was an "Aquatic WILD" workshop with an emphasis on using ponds, lakes and streams as teaching resources. These curriculum materials offer sound teaching ideas applications which help teachers and their students get the most out of a field trip to Baxter State Park. Over the years it has become obvious that the most productive school trips to Baxter involve careful planning and educational objectives. sponsoring workshops which familiarize teachers with Park resources and policies and give them sound activities with which to structure their days' activities, we can build a sound foundation for future protection of the Park.

II EXCHANGES AND PROFESSIONAL ENRICHMENT Alpine Managers' Gathering, Waterbury, VT April 11-12. The BSP Naturalist attended this weekend gathering sponsored

jointly by: The Green Mountain Club, the White Mountain National Forest, the Appalachian Mountain Club, the Adirondack Mountain Club, the Vermont Alpine Areas Assessment Project and Adirondack Nature Conservancy. Also at the Gathering were John Loyd, Chair of the BSP Advisory Subcommittee on Park Use and Lester Kenway, BSP Trail Supervisor, who attended this event as a representative of the Maine Appalachian Trail Conference. The conference was an opportunity for staff, organizations, agencies and volunteers involved in the stewardship of alpine areas in the northeast to highlight current threats to these areas. Panel discussions on approaches to meeting the escalating challenge of managing these areas were lively, with a high degree of audience participation. Of particular interest were samples of educational materials designed to encourage proper hiking etiquette above treeline and to interpret the features of the alpine system to the casual visitor in a way that fosters resource protection. Beyond the information exchange, the Gathering was opportunity for people working toward common goals to meet one another and serve as resources to one another as they return to their diverse and farranging work-sites.

Annual Appalachian Mountain Club N.E. Region National Park Service Meeting, Acadia National Park, September 18, 1993 Acadia National Park Superintendent Bob Reynolds and Appalachian Mountain Club Executive Director Andrew Fallender invited BSP Director Caverly and other BSP staff to join the AMC and MPS in their annual get-together. The Naturalist was able to attend the one-day event with the Director. After a hike up Acadia Mountain, the group discussed a number of management issues common to New England public land agencies, managers and conservation organizations. Director Caverly offered several remarks highlighting the unique aspects of the BSP mandate. The remainder of the afternoon gave both the Director and Naturalist an opportunity to make contacts and answer questions from neighboring areas.

III PARK USE COMMITTEE - 1992 PROGRESS

The newly-named "Park Use Committee" (formerly Park Regulation and Visitor Use Committee) held several meetings this year. The BSP Naturalist serves as a staff liaison to this BSP Advisory Sub-committee and John Loyd is currently Chair of the Committee. The charge of the Committee is to offer solutions to growing day use pressures and to change or create new Park regulations on an as-needed basis. Some key issues/discussions reflected in the 1992 Sub-Committee minutes include:

- 1. Discussion of the best way to fully utilize all sites/facilities in BSP, during all seasons.
- Discussion of future recreational management of Webster Stream Corridor (this topic was referred to SFMA Advisory because they are the group to which management of this area is assigned).
- 3. Need for a concise, user-friendly version of current regula tions.
- 4. Discussion on additional regulations and changes needed for current regulations (all re-wording, rule amendments and rule

changes are subject to review and approval of BSP Advisory, Authority and public as well as the full Administrative Procedures Act (APA) process before they are adopted).

 Long-standing recurring day use demand including annual dilemma of controlling access to/from mountain trailheads, particularly Roaring Brook, leading to...

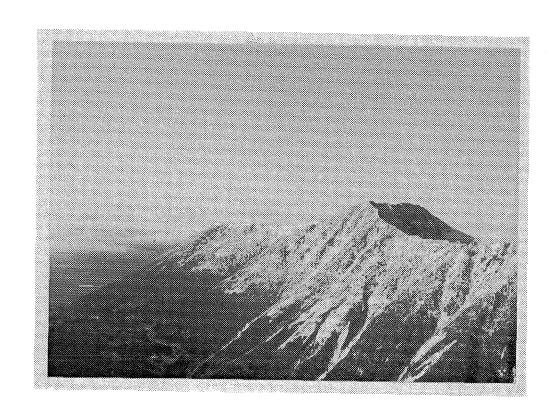
6. Feasibility discussion of shuttle to Roaring Brook (deemed

not feasible at this time.

7. Decision to move Togue Pond control booth closer to the "Y" intersection of Roaring Brook and perimeter road, spring '93.

IV MT. PATROL

In light of the concern regarding high impact on Mt. Katahdin, the Park Use Sub-Committee approved a form to be used by (Student Conservation Association) trail crew members assigned to weekly stints of Mt. Patrol. Staff members and volunteers are also encouraged to use the forms when they hike on Katahdin. The aim of the form is to obtain an anecdotal but nevertheless informative record of patrollers' observations. The patrollers are asked to document numbers of people visible to them from several locations above treeline. They are also asked to approximate number of people met during entire patrol (below treeline and above). Information is recorded in context of time, date, weather conditions viewing locations and patrol route as well.



Thank you for contributing to our information on hiker use of Katahdin: In recent years, it has become necessary to monitor the number of visitors on Katahdin to enable us to better correlate social and environmental impacts the user and resource are exposed to. SCA mountain patrollers and other willing volunteers as well as patrolling staff are in a prime position to contribute direct observations which will be more meaningful than trail register statistics, in some instances. When filling out this form, please refer to details below for guidance:

- Quest. 1. Self explanatory
- Quest. 2. Self explanatory
- Quest. 3. After the class day, describe any significant conditions, especially ones which might influence your ability to spot fellow hikers (visibility) or might affect actual numbers on mountain (pouring rain, gale force winds).
- Quest. 4. We are interested in the numbers of people you see (without using binoculars) from as many different locations as you care to record.
- Quest. 5. If possible, we would like your estimate of the number of individuals you met from beginning of your hike to end.
- Quest. 6. Tell the routes and trails you used.
- Quest. 7. Add any information which might give us insight into summit conditions i.e., visitor comments on solitude (crowding, sites you note to be most vulnerable to hikers wandering/shortcuts, rescue operations ongoing during your patrol, low-level flights in vicinity of peak, etc.)

When form is completed please leave at Chimney Fond Ranger Station with one of the Rangers \underline{OR} Togue Fond Gate \underline{OR} drop off at Park Headquarters, Millinocket in care of Park Naturalist. We hope to receive reports on a weekly basis, so that current and accurate information can be available for review.

MOUNTAIN PATROL

. Your	ame		·
. Class	day and a		
			e from your vantage point
# of People		Time of day	Your location
Example)	50	3:30 P.M.	Hamlin Peak
			•
. Approx	imate numb	er of people met dur	ring entire patrol
D-+1	-cut-e		

RESULTS FROM 1992 MT. PATROL FORMS

The discussion of social (and visual) impact alone has endless variations; viewing 75 people as you stand on Baxter Peak or encountering 160 people on a day hike will elicit a wide range of responses from different users. In addition to considering the social impact of Park use levels, we are hopeful that we will find ways to examine environmental impacts, perhaps again in conjunction with mountain patrols by SCA students, staff and volunteers. We are only in the initial stages of collecting information, but already we have a better understanding of use levels and impacts than hiker sign-up sheets alone can provide. A summary of information recorded follows:

Total number of forms (patrols) completed - 39
Breakdown of patrols by months: June = 9
July = 13
Aug. = 11
Sept. = 6

Number of Class I (excellent weather) patrol days - 16 Number of Class II (poor weather affecting use and visibility levels) - 23

Patrollers were asked to count the number of people seen from a viewpoint (usually several different ones in a day) several times during their mountain patrol. This information is one way to describe the visual impact current use levels have on individual hikers' experiences.

	Used ? Times out of	Range of numbers of	Average # People from this
Viewpoint Baxter Peak South Peak Chimney Peak Pamola Peak Saddle * Tr. Hamlin Peak Thoreau Spring	39 Patrols 36 3 3 18 23 8 4	People Seen 0-180 2-50 25-77 6-90 0-18 0-40 8-35	Viewpoint 31 24 47 27 5 11
	-	0 33	17

^{*}Usually at treeline on the slide or at top of slide.

The following is a compilation of comments appearing in the "Additional Notes" portion of the form:

June 18, 1992 - "A hazy day: The development on Pockwockamus Pond isn't very visible; nor is the new logging road by Togue Pond Gate. If you know where to look for recent developments you may pick out bits and pieces of them."

June 23, 1992 - "Hiking the Saddle Trail was like hiking up/down a creek bed or a waterfall."

June 27, 1992 - Complaint about Thoreau Springs Junction sign. The words and mileage are almost unreadable. Suggested that it be replaced. Baxter Peak cutoff trail from Thoreau Springs is hard to spot as well."

July 5, 1992 - "Despite the fog, good hiking conditions had some trouble finding blue markers on part of Knife Edge approaching Chimney. Tomorrow plan to build a cairn because some hikers agreed that it was a little confusing."

July 6, 1992 - "Could not follow through with plan to go across Knife Edge. Caribou Spring still trickling out."

July 11, 1992 - "The new A-frame is quite an attractant from above." (NOTE: This building was removed by the fall of 1992.)

July 18, 1992 - "Picked up some trash, advised some hikers to stay off of the vegetation. Everyone was friendly."

July 19, 1992 - Picked up litter told some picnickers to stay off the plants, but explained why."

July 25, 1992 - "Wicked busy day - no major problems. Patrol #1 was to look for illegal campers - didn't find them."

July 27, 1992 - "The weather was terrible so I didn't stay up very long. There was hardly any hikers."

August 4, 1992 - "Figures, the only time National Weather Service was correct about thunder at Chimney was when I was up on Mt. Patrol this time...obviously, visibility was @ 50-200 ft."

August 12, 1992 - "I didn't stay in any one place long as I was out for a wilderness experience - or at least some peace and quiet which I finally got half way down Dudley."

August 16, 1992 - Coming up the Saddle in the A.M. I could hear a plane flying up above at very low altitude, didn't get to see it, but two women asked me about if on my way to Baxter Peak - they said it was extremely low and flew over the tableland."

September 6, 1992 - "That night at Chimney Pond 3 climbers on tower ridge signaled the campground. Assistant Ranger started up Dudley TRail, eventually climbers topped out and proceeded to Baxter Peak and then down Saddle Trail. Also one man who was on Abol Trail at 2 P.M. apparently split off from the group w/only a camera and no clothes food water and attempted to go to Roaring Brook via Knife Edge - remained unaccounted for."

September 26, 1992 - "The group at Hamlin Peak was an ecology class of some sort from UMO. They were all off of the trail - scuffing along the vegetation - doing plots. I was on my off time therefore out of uniform - but so irate. I talked to them about what they were doing. A couple of people's response was 'we have to do it for class.' My response was 'nuf.' The Hamlin

Ridge - Saddle Trail route is very popular for geology/ecology etc. classes as it goes through different zones. However, the summit will not withstand this abuse for long. That was the 2nd large group I've seen there in the past couple of weeks."

The following is excerpted from a memo to Park Naturalist Jean Hoekwater from Chimney Pond Campground Assistant Stewart Guay:

"Unfortunately, the small numbers reflected by the July Mt. Patrols are merely a function of the weather. August and September saw 3 out of 4 weekends with 250-375 day hikers on each Saturday or Sunday. Frequently (even midweek) I'd see lines of noisy hikers file through our trail system, aesthetically reducing what is reported to be a peak of solitude and quiet to one of noise and visual pollution in forms such as a "line of ants" across the Knife Edge" to a "traffic jam" at crossing the Chimney Gap...F.Y.I. October 3rd, 439 people climbed Katahdin from Chimney Pond/Roaring Brook Campgrounds. Maybe the time has come for group size/day use regulation..."

Many thanks to BSP Trails Supervisor Lester Kenway and his SCA trail crew as well as Chimney Pond Campground Ranger Esther Hendrickson and Campground Assistant Stewart Guay for their faithful and energetic work on this project.

V 1992 MAINE AUDUBON LOON COUNT
This summer Maine Audubon requested that BSP again participate in the Loon Count. This year it was held on July 18 at 7-7:30 A.M., a foggy and rainy contrast to 1991 viewing conditions. Findings were as follows:

	# Adults Seem	# Chicks Seem	#Loons Usually Seen
Lower Togue Pond Upper Togue	2 2	0 0	2-6 adults 2 adults-2 chicks spring and fall congregations of up to 9 loons
Daicey Pond	0	0	1-4, no known nests
Kidney Pond	2	0	2
Rocky Pond	1	Ö	2 adults & 2 chicks
Celia Pond	0	0	0
Jackson Pond	0	0	0
Dwelley Pond	0	0	0
Lower So. Branch Pond	2	0	2
Upper So. Branch Pond	0	0	0
Matagamon Lake	10	0	15-18
Wassataquoik Lake	1	1	2 adults, 1 chick

Observers this year included: Steve and Gladys Buzzell, Thomas Edes, Jean Hoekwater, Dave Phillips, Kristi Reynolds, Jack Sheltmire, Eric Shinner, Keith and Marie Smith, Harland Turner, Gabe and Marcia Williamson.

Each year Audubon depends on willing staff and friends of the

park to gather this information; in any given year some people may not be able to participate because of work schedules and the weather may not cooperate, but over time we are learning more about our loons. A special thanks to all the people who give so generously of their time and expertise. We may have missed your favorite pond this year; let the Naturalist know if you'd like to take part in the effort next year!

Excerpted from Maine Audubon Society The Loon News Fall 1992....

1992 Loon Count

The day broke sunny for some, but this year's loon count day was drippy, misty, and cloudy for many who participated. Heavy rain or fog in some areas kept people from actually counting at all or extremely limited their visibility. Nonetheless, 265 lakes were visited during the count, and most counters reported good visibility. Thanks to all of you who were out on the water early despite the rotten weather!!

A few people suggested choosing a "rain date" for the future, but this is impractical, since the weather can vary so widely across the state. For scientific reasons, it is imperative that everyone count at the same time on the same day each year. Otherwise, we cannot compare our data across the state or from year to year when we are looking for population trends. Several people actually counted on a date other than the designated count day this year, and although I have included the data in our listing of all lakes counted, we cannot use that information in our year-to-year comparisons or in our calculations for the estimated statewide population. Please, in the future, count only at the designated time.

As for this year's count, 1,148 adults and 136 chicks were counted. Based on numbers of loons counted on 74 randomly selected lakes from 7 different size categories, the estimated population of loons for southern Maine is 1,992 adults and 163 chicks. The estimated number of adults is slightly lower than that for the last two years, and the estimated number of chicks is considerably lower than that for the last four years. The lower numbers

are likely due at least in part to the limited visibility some counters experienced during this year's count. However, the number of chicks reported both last year and this year have been noticeably lower than in previous years, so we need to carefully follow the chick count over the next few years to determine whether or not there might be a problem with successful chick rearing. Details on the counts for each lake are included in the middle of this newsletter. (In some cases the number you reported may appear different here - that's because we double-check all count forms and tally sheets for possible duplicate counts or simple errors.)

Along with the count data, we often get reports of unusual observations from our counters. This year was no exception. One person witnessed a bald eagle try repeatedly for three days to catch a loon chick. It finally succeeded despite valiant efforts on the part of the chicks' parents to protect it. Five people reported finding dead loons sometime during the last year: two dead loons were found in Region 8A, with fishing line wrapped around their beak and throat; two dead loons were retrieved from Region 7, with unknown causes of death; and on Howard Pond, a loon was found swimming around with fishing line and a bobber wrapped around its beak and wing, and a hook down its throat. Several people helped untangle the bird and release it, but two days later, the loon was found tangled in line again, with a hook in its wing and legs dangling. The loon was taken to a vet for treatment, but it died several days later. These reported deaths are probably only a fraction of the actual deaths occurring. Please warn your fishing friends to be careful about bringing back their fishing line with them whenever possible.

VI SUMMER INFORMATION/EDUCATION INTERN

This summer we were fortunate to have the services of Kristi Reynolds, a graduate of University of California, San Diego, June-August. Her duties were supervised by BSP Naturalist and consisted of 3 projects:

- 1. She began sorting through scrapbooks and memorabilia from Kidney Pond Camps with a goal of organizing materials to use in educating the public on the history of the camps. Three scrapbooks have been started; 2 are archival versions of scrapbooks left from long-time Kidney Pond Camp users and one is going to be a general compilation of Kidney Pond Camp photos and history over the years. Kristi also suggested certain photos/maps suitable for framing and display in the KPC library.
- 2. Kristi was responsible for designing and offering a series of children's programs in the Park. She offered programs on recycling, aquatic insects, wildflowers, animal habitats and seed dispersal. These programs were offered in Daicey-Kidney Campgrounds because of the availability of a library when rain threatened activities. All the programs were well received by children and parents.
- In the month of August, Kristi was in charge of a visitor information booth at Togue Pond. On Friday, Saturday and Sunday she reported to the booth from 7:00 A.M. until early afternoon and dealt with the questions of incoming visitors. This was a trial effort to see if such an information booth could ease the burden of gatekeepers and meet the needs visitors who have questions requiring in-depth attention. The booth service was generally very well received by the public and people were better informed on their choices when they arrived at the gate. Ultimately, such information services not only make a user feel more at ease in our Park, but may also encourage wiser decisions, thus reducing the likelihood of rescues and emergencies for Park staff during peak operations.

VII RESERVATION OFFICE

Opening day 1992 marked the second year we issued tickets to people by month of reservation. Six people issued reservations at the counter: Clerk Typist II Jean Howes, Account Clerk Judy Hafford, Clerk II's Joan King and Colleen Moore, Clerk III Jan Caverly and volunteer Diane Freelove. In addition, Jensen Bissell, Resource Manager called ticket numbers, Stores Clerk Rosemary James handed out tickets, volunteer John Howard greeted people and boosted morale, Naturalist Jean Hoekwater answered phones, Secretary to the Director, Roxie McLean, logged in over 600 pieces of mail, Chief Ranger Chris Drew and Director Buzz Caverly answered questions and explained the system to people as well as the pressures that necessitated implementing such a system. Between the mail received for that day and the over-the-counter cash register sales, revenues were \$90,015.62 for January

2, 1992 (compared with \$71,924.60 in 1991). We are thankful for peoples' love and commitment to Governor Baxter's Park and hope their long wait on January 2 is forgotten once they get into the Park and listen to the loons and watch the moon rise over Katahdin.

Clerk II Colleen Moore requested a four-month leave-of-absence to explore education opportunities. Her role was filled by former Togue Gate employee and former office volunteer Connie Theriault from January to April. In May, Janet Angotti, returning as a phone receptionist, was promoted to the Clerk II position after Colleen Moore vacated the job. We hired a phone receptionist Christie Hall for the summer months. With Janet Angotti's new teaching job necessitating a move, in the fall the Clerk II, 40-week position was again vacated, for the second time in 8 months. This time the position was filled by Gladys Hanson, a laid-off State worker with a high degree of previous exposure to Park operations and resources, as well as the required clerical knowledge. It's safe to say that everyone in the reservation office is looking forward to a little more continuity in upcoming seasons.

In conjunction with personnel changes, the reservation office began working with new automated ticket printers in May. By using the ticket printers and mailing reservations in windowed envelopes, we are able to eliminate some manual redundancy in the process, thus reducing chance for errors and increasing speed of the process.

The second phase of a two-year fee increase was activated on November 1, coinciding with the acceptance of 1992-93 winter reservations.

One of the information/education challenges of the 1992 summer camping season was a sudden change in regulations governing water sources in the Park. New Federal standards were implemented without warning at the start of the summer camping season. and spigots were subject to stringent conditions impossible to attain and maintain in wilderness conditions. Consequently, in late spring/early summer any human-improved water sources which could be perceived as "public water supplies" were This included spigots at Trout Brook Farm and Nesowadnehunk Field Campground, pitcher pumps at Kidney Pond Camps and South Branch Pond. Also we removed "spring" signs from tiled springs throughout the Park. Unfortunately, these changes took place after about 75% of our reservations had gone out in The reservation office devised a fluorescent colored notice mailed out with each subsequent reservation confirmation and resolutely informed every caller possible of the situation. We regret that there were still numerous campers caught unprepared, especially long-time Park users who reserve in January and come in August, never calling in with questions because of their complete degree of comfort with the Park. With the start of the '93 camping season, we will have ample opportunity to warn each person receiving a confirmation so that they think about options

for obtaining and treating the water they need.

VIII <u>INFORMATION</u> BOOTH

Kristi wrote a 6 page report on her experience at the Visitor Information Booth in August, 1992. Rather than printing the report in its entirety, we have decided to consolidate her thoughts and comments in summarized form for you:

BACKGROUND

Kristi worked only on weekends from 7:00 A.M. - 2:00 P.M. As training for this trial run of the info-booth, she hiked nearly all the most popular trails in the south end (visitor booth location) in order to be able to recommend hikes well suited to visitors' abilities, desires and time constraints. She answered to typical range of visitor questions, from "Which mountain hike is the nicest?" to "Where's the bathroom?" Most commonly, she was required to relate the why's and wherefore's of Park regulations and policy. Prior to the booth assignment, she had been asked to explain regulations in terms of safety and resource protection, offering alternatives to visitors to ensure the Park was a "user-friendly" experience for them. In addition to personal contact, she handed out free road maps of the Park and free Park handouts. Late in August, she began selling hiking maps and trail guides as well.

SUGGESTIONS FOR FURTHER CONSIDERATION

Kristi observed that visitors wishing to go to Sandy Stream Pond or climb South Turner are often forced to change plans because the Roaring Brook parking lot is full to capacity. She expressed concern that families seeking these experiences are at a disadvantage compared to all the mountain hikers lined up at the gate at 6:00 A.M. Her suggestion was to consider reserving a few spots in the parking lot for such use. She also thought this split parking lot idea had possible merit at Abol and Katahdin Stream.

Kristi noted that she had worked at the entrance booth at the Crazy Horse Memorial as well as having lived her whole life in various National Parks. In that contact, she observed that the booth, if operated on a regular basis, has potential to reduce the waiting time at the gate. Her solution was 2-pronged: Continue giving information out as in 1992 trial, a well-informed visitor will be ready to give the gate all the necessary information upon reaching the attendant; 2) if someone at the booth could monitor the radio traffic and availability of sites for visitors needing sites, this would leave only the actual reservation ticket writing to the gate personnel. Director Caverly, upon hearing this suggestion, felt that all visitors should be required to stop at booth. Those with prior reservations or sure knowledge of what they want/can do, could be waved on to the gate for speedy processing. Those in need of detailed explanations or a site could be pulled aside and dealt with at the information booth, thus speeding up the actual gatehouse line.

Kristi requested permission to sell Park hiking maps and 50 cent descriptive Guide to BSP because people wanted to buy them at that point (i.e. didn't stop at Headquarters, doubt they'll find a Ranger to buy from before leaving on hike, gate doesn't sell these items). She felt that whether the booth is manned by volunteers/staff or some combination thereof in the future, selling a few trail guides/maps would provide a genuine and necessary service.

On busy August weekends, Roaring Brook, Abol, Katahdin Stream and Daicey and Kidney Pond parking lots fill up one-by-one, leaving to the alternative recommendation of Ledge Falls and Nesowadnehunk Campground. Kristi heard people saying that driving through the Park isn't much of an alternative if you had hoped to come for a hike; she noted that Nesowadnehunk already has a picnic area and space to accommodate parking -- suggested we explore the possibilities for a nature trail loop in the vicinity. With this as a moderate family activity choice and Doubletop Mountain trail as a vigorous mountain hike opportunity, Nesowadnehunk becomes less of a turn-around point and more of a destination point to visitors who missed out on opportunities in all the other popular spots.

IX OTHER NOTES FROM 1992

In July, Rupert White donated a taxadermic mount of an immature bald eagle to the Park. The mount has been in the possession of the family for at least 100 years. We will contact specialists in restorative taxidermy to see if we can restore the mount to prime display condition. In the meantime, it has a new home at Park Headquarters. Thank you, Rupert.

Laura Delano Condax shared a copy of a video-transcribed home movie with us this summer. The footage, from the 1930's shows the cable bridge for AT hikers (built by CCC) over the West Branch of the Penobscot. It includes footage on the Hunt Trail and coverage of the construction of the old vertical log Chimney Pond bunkhouse being built by a crew of AMCers. Jack Grant is shown with his horses dragging materials for construction up the trail and Leroy Dudley himself makes a cameo appearance. Thank you, Laura, for sharing this family treasure and allowing us to make copies for anyone who might wish to drop by Headquarters and view it on our VCR.

This December local Wardens, Forest Service and Baxter State Park personnel took a 2-day Wilderness Emergency Care course and 1-day Blood-Borne Pathogens course hosted by Baxter State Park, taught by SOLO of Ctr-Conway, New Hampshire. As of the writing of this report, the BSP Blood-Borne Pathogens Plan has been finalized for the Park and designated year-round staff have received their personal protection kits. Vaccinations will be available for winter's designated year-round staff by end. This personnel/workplace health issue has been an assigned project of Jean Howes and Jean Hoekwater.

X RESEARCH - 1992

The following research projects were completed or ongoing during 1992:

- Introduction of Orono Sedge to the Scientific Forest Management Area Alison Dibble
- Is There Variation in Levels of Foliar Taxol Between Maine Populations of American Yew? Alison Dibble
- Bicknell's Gray-Cheeked Thrush on Katahdin Joe Marshall, Roger Applegate, Steve Oliveri
- Bird Responses to Habitat Changes in Baxter State Park Steve Oliveri
- Banking Male Fern Spore Bill Brumback, New England Wildflower Society
- Pine Marten Project Project Director Dan Harrison 1992, field workers Dave Phillips and Kelly Rogers - continuation of 5-year project
- Peregrine Nesting Survey in Baxter, ongoing yearly monitoring project, Charles S. Todd

We have attempted to include representative information from each research project. In some cases, original permit requests are reprinted, in whole or abridged form, to give the reader a better understanding of the rationale for undertaking the research. In cases in which a project is ongoing or the final report is not yet submitted, interim reports are included. Final reports which are included are only partial reports due to printing costs. The complete reports as well as others listed in the inventory at the end of this section, are available upon request to the BSP Naturalist.

One of the roles of the Park Naturalist is to serve as liaison between the Park and researchers. When researchers arrive at the park, the Naturalist accompanies them, whenever possible, in their work. During this season, she spent one day with Alison Dibble hiking to Chimney Pond, and pointing out the Basin Pond Another day was spent with Joe Marshall and Steve Oliveri, searching for the Bicknell's Thrush in Great and S. In September, Advisory member Jane Thomas and the Naturalist listened to a presentation by Dave Phillips and Kelly Rogers (of the Pine Marten Project) and were also lucky enough to accompany them as they radio-tracked a female pine marten to her nesting place in a witches' broom up in a spruce tree. outings serve to orient researchers to Park operational needs while revealing the researchers' specialized knowledge and findings to the Naturalist. The knowledge gained can help manage Park resources and enrich the visitors' experience in the Park.

Draft Proposal

Introduction of Orono sedge (<u>Carex oronensis</u>) to the Scientific Forest Management Area at Baxter State Park

Alison C. Dibble
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University of Maine, Orono, ME 04469-0118
207-581-2954

10 Jan 1992

BACKGROUND: Orono sedge, Carex oronensis (Cyperaceae), is Maine's only known endemic plant species. It is proposed as Federally Endangered, and is currently listed as Category 2 pending upgrading now that its taxonomic and distribution status have been studied (Dibble 1991). It is State Endangered on Maine's Official List of Endangered and Threatened Plants because of its narrow global distribution (Dibble et al. 1989). sedge is known from 52 populations, all but two in the Penobscot River valley, with approximately 1495 individuals. Dibble found 12 individuals in the hay field at Trout Brook Farm in July 1988. Another site is northwest of BSP at Carpenter Mt. along the Telos Road in T7 R11 WELS. Habitat is unspecialized, consisting of hayfields, roadsides, and other disturbed areas. Most populations have fewer than 20 individuals; small populations are not unusual in Carex. This perennial sedge is wind-pollinated and dispersed by wind, gravity, possibly water, and by people, and is weed-like in character. It has been confirmed as a species because it is morphologically distinct when the seeds are ripe, fertile, breeds true, and has a welldefined geographic range. The species may have evolved since the glacier receded from Maine, and could have spread through its present range by the activities of people, especially movement of hay with supplies for the lumber industry.

Few known Orono sedge populations are under protection, and many questions remain regarding its biology and management. It appears that annual or biennial mowing in July or August is beneficial in maintaining populations because this keeps woody competition down. It has been introduced in Blue Hill in Dibble's garden, where it has persisted and self-sown for three years. Otherwise, no planned introductions have taken place.

METHODS: The introduction would consist of transplanting a single healthy individual of Orono sedge (started from seed in January 1992 and likely to flower the first year) to a sparsely-vegetated roadside ditch within the SFMA in June 1992. Dibble will provide a reference collection of Orono sedge and related species found in Maine for use in identifying subsequent recruits. Once-annual monitoring would be conducted by BSP in early July for five years, after which time the project would be evaluated and, if successful, continued.

The SFMA is ideal for this project since it is within the known range of the species, has a new road system with ample disturbed habitat, the area is monitored regularly, and changes in land use are strictly controlled by the Park. Introduction of Orono sedge in the SFMA is compatible in the area where conservation seed mixes are in use, though successful recruitment of Orono sedge will be more rapid where thick vegetation has not already become established.

Dibble will provide the Orono sedge material. The site could be designated by Jensen Bissell. It would be best if Jean Hoekwater and/or Jensen could accompany Dibble during the transplanting. The plant may need to be watered once a week for the first month if the season is very dry. In subsequent years, Park personnel monitor the parent plant for change in number of flowering stems and map reproductive recruits.

EXPECTED RESULTS: The parent plant may flower and set seed in 1992, or possibly 1993. Recruits can be expected to reach reproductive size (and hence become identifiable to species) in late June 1994, possibly as early as 1993. Dispersal is likely to be limited to a relatively small area along the woods road, at least within the first five years.

JUSTIFICATION: Data from this project will help us understand how quickly this species can move into a new area. Species diversity in the SFMA will be enhanced by addition of this native plant of global significance.

BUDGET:

FY 1992, Dibble 8 hrs..... \$80.00 Estimated time for BSP staff: 5 hrs.

REFERENCES CITED:

Dibble, Alison C. 1991. <u>Carex oronensis</u> (Cyperaceae), a possible necendemic of Maine. University of Maine, Masters Thesis.

[,] C. S. Campbell, H.R. Tyler, Jr., and Barbara St. J. Vickery. 1989. Maine's Official List of Endangered and Threatened Plants. Rhodora 91:244-269.

Is there variation in levels of foliar taxol between Maine populations of American Yew, <u>Taxus</u> canadensis (Taxaceae)?

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14 Jan 1992

Credentials: I am a candidate for a Ph.D. in Plant Science, and my focus is on Conservation Biology. My major advisor is Dr. Christopher S. Campbell, Associate Professor of Plant Systematics, at the above address. I serve as Chairman, Critical Areas Advisory Board, and Chairman, Endangered Species Committee, Garden Club Federation of Maine. I helped prepare Maine's Official List of Endangered and Threatened Plants in 1987, and serve on the Endangered Plant Technical Advisory Committee. In 1988 I helped co-organized and led a trip to Mt. Katahdin sponsored by the Maine Herbarium to re-locate some rare plants that had not been seen in many years. A copy of the resulting paper is attached. In May 1991 I received an M.S. in Botany at the University of Maine where I studied the Orono sedge, Carex oronensis, Maine's only known endemic plant species.

Benefits to be derived from the research: In some parts of its range, American Yew is already harvested at an unsustainable rate because its needles contain taxol, an important anticancer drug. The dry weight percent of taxol in American Yew needles equals that in the bark of Pacific Yew, Taxus brevifolia (Witherup et al. 1990). There is an urgent effort to develop synthetic taxol, but so far Pacific Yew is the sole source for clinical tests. I anticipate that conservation of genetic diversity in American Yew will be complicated by increasing pressure as its value becomes known to the general public. Results of this study could aid in designating a population of American Yew that is especially suitable for propagation because of a higher level of taxol produced. Propagated plants would be used for renewable harvest of the needles, and would help avoid extensive loss of diversity such as may be the case with Pacific Yew in the North West.

Detailed description of research: In January 1992, I began sampling populations of American Yew from various parts of Maine by removing stems from robust clones and drying the leaves. I will measure taxol levels through High Performance Liquid Chromatography in the laboratory of Dr. Rodney J. Bushway, Associate Professor of Food Science at the University of Maine. In a common garden at the University of Maine campus in Orono, I will bring rooted stems dug from clones at the different sites to compare their growth in full sun and uniform soil conditions. In addition to the wild clones of American Yew, I will grow purchased plants of Yew cultivars for comparison of taxol levels and horticultural characteristics.

Area of the Park for the research: Mt. Katahdin, vicinity of

Chimney Pond.

Impact on the Park: I have not seen the population from which Dr. Charles D. Richards collected a specimen on 21 June 1953 in a "mixed woods along Saddle Trail in vicinity of Chimney Pond"; this specimen is in the Maine Herbarium at the University of Maine. If I can find this population, I will first assess the robustness of the clones compared to populations I've seen elsewhere in the state. Only if the clones appear "normal", disease-free and apparently able to regenerate quickly would I proceed with the proposed sampling. I would like to remove approximately 75 leafy stems 12-14" long for taxol analysis, and dig three well-rooted clones for culture in the common garden study. I would keep my intentions, activities and samples out of the public eye, and would not publish the location of American Yew within Baxter State Park.

If the Mt. Katahdin clones are robust, my sampling will have little impact on the population because American Yew is a favored winter browse for white-tailed deer and seems adapted to periodic clipping of stems. It is a clone-forming plant, so the digging of three rooted stems should not be detrimental.

If I have any hesitation regarding the relative robustness of the population near Chimney Pond, I will scale down or abandon the proposed sampling. I welcome advice from Jean Hoekwater regarding this decision, and would appreciate her company in the field if she is available.

In the case that the Mt. Katahdin population of American Yew has a significantly higher level of foliar taxol than other Maine populations, then knowledge of the location of the clone should be closely guarded and management of that population should become a high priority. Mt. Katahdin plants grown in the common garden would be a source for cuttings, and some cuttings could conceivably be taken within the Park without hurting the clone.

Budget: The two-year project will probably require about \$15,000. I seek no funding from Baxter State Park, but hope to raise monies through various agencies. Dr. Campbell, Dr. Bushway, and Dr. Michael S. Greenwood of the University of Maine are each providing materials in support of this project.

Time table for research and completion of project: The state-wide survey will be completed and analyzed by spring, 1994. I would like to sample American Yew in B.S.P. in mid-June 1992.

REFERENCE CITED:

Witherup, K. M., S. A. Look, M. W. Stasko, T. J. Ghiorzi, G. M. Muschik, and G. M. Cragg. 1990. <u>Taxus</u> spp. needles contain amounts of taxol comparable to the bark of <u>Taxus</u> <u>brevifolia</u>: analysis and isolation. J. of Natural Products 53: 1249-1255.

Baxter State Park Research Interim report to the Scientific Study Review Committee Alison C. Dibble, University of Maine 10 Sep 1992

ORONO SEDGE

A dispersal experiment for Orono sedge, <u>Carex oronensis</u>, was initiated this past season. This is the only plant species found in Maine but nowhere else in the world, and is proposed for listing on the Federal Register of Endangered and Threatened Plant Species. The total known population is 2818 plants. BSP has a small natural population at Trout Brook Farm.

We don't yet know how rapidly this rare plant can disperse in a disturbed area, unless people move its seeds with hay. In June 1992 Jensen transplanted a single large Orono sedge plant, which I provided, to a disturbed roadside in the SFMA. The intent is to monitor dispersal from a single seed source along a recently disturbed roadside, not necessarily to establish new populations in the Park--this is why only one plant was included at this time. The SSRC recommends transplanting more than one plant per site and including at least two other sites in the study, and we can enlarge the study to this scope for 1993.

----- AMERICAN YEW -----

American Yew, Taxus canadensis, is of interest in recent years because, like all other species and cultivars of Yew, it contains varying amounts of taxol in the leaves. Variation can be as extreme as 1:25 in some species. Taxol is an important anticancer drug currently being tested by the National Cancer Institute for its safety and efficacy. An international race to develop synthetic taxol is currently underway, with exciting new reports from different institutions. Meanwhile, taxol for clinical trials is extracted from the bark of the Pacific Yew, Taxus brevifolia, much of which occurs in National Forest in Oregon. Conservation concerns necessitate finding renewable sources of natural taxol rather than destroying entire trees, so foliar taxol of other Yew species is a possible alternative.

My investigation in the variation in taxol content of Maine's populations includes 30 widely separated populations of American Yew. I have extracted most of the samples and am ready to run a High Performance Liquid Chromatography (HPLC) analysis to find levels of taxol. Dr. Rod Bushway, Professor of Food Science at the University of Maine, is providing laboratory space, direction, and expertise. We expect that the chemical analysis portion of this study will be taken over by another graduate student, but that I will continue as botanist and co-author in the project. I took the BSP leaf sample from a population on Chimney Pond Trail at the south edge of South Basin Pond. Jean Hoekwater and I were unable to locate the Yew population at the Saddle Trail. I dug no live plants, and may not need to do so.

BICKNELL'S GRAY-CHEEKED THRUSH, CATHARUS MINIMUS BICKNELLI

JOE T. MARSHALL, ANTHONY J. ERSKINE, ROGER D. APPLEGATE, ROGER B. CLAPP, JOSE ANTONIO COLON, MARTHA HAYS COOPER,, ELSIE D. MARSHALL, IAN A. MCLAREN, STEVEN OLIVERI AND TOMAS A. VARGAS.

Department of Vertebrate Zoology (Birds), National Museum of Natural History, Smithsonian Institution, Washington, D.C. 20560 USA; Canadian Wildlife Service, P.O. Box 1590, Sackville, New Brunswick E0A 3CO, Canada; Maine Department of Inland Fisheries and Wildlife, P.O. Box 1298, Bangor, Maine 04402-1298 USA; PO Box 23163 University Station, Rio Piedras, Puerto Rico 00931 USA; Department of Biology, Dalhousie University, Halifax, Nova Scotia B3H 4J1, Canada; Bureau of Public Lands, Maine Department of Conservation, State House Station 22, Augusta, Maine 04333; and Department de Vida Silvestres, Apartado Postal 1472, Santo Domingo, Republica Dominicana

ABSTRACT. -- Bicknell's Thrush (Catharus minimus bicknelli) is an endemic New England subspecies of the Gray-cheeked Thrush (C. m. minimus). It winters on Hispaniola, nests in timberline krummholz, and is easily distinguished in the field by its small size, yellowish base of mandible, and song that goes up at the end. Half its breeding habitat in the Green Mountains of Vermont is destroyed by acid clouds from the west. We extend its known range in the maritimes to Cape Breton Island and northern New Brunswick based on tape recordings of the song and wing measurements of birds netted and released. In Quebec, however, we determined that the thrush is gone from its former home in pristine spruce-fir along the north shore of St. Lawrence Gulf. This incriminates the Haitian wintering habitat. We found the extremely shy birds wintering in the Dominican Republic in a variety of natural vegetations including secondary forest in the National Botanic Garden of Santo Domingo. Puerto Rico is outside the normal wintering ground. These observations embellish mere details in George W. Wallace's classic study of 1939; we reprint his specimen list identifications. Bec so that museums can correct Because field-identifiable subspecies such as Bicknell's Thrush and Burt L. Monroe, Jr.'s "groups" in the AOU Checklist of 1983 are so vital to understanding migration, we restore their scientific and common names and we inveigh against turning these same subspecies into species through biochemical sleight-of-hand.

BICKNELL'S THRUSH, <u>Catharus minimus bicknelli</u> is a diminutive subspecies distinguishable in the field from its larger and more wide-spread relative, the Gray-cheeked Thrush, <u>C. m. minimus</u>. It is identified by small size, tail redder than back, rich brown color, yellowish mandible (Fig. 1), and song that goes up at the end (Fig. 2). George W. Wallace, of "Silent Spring" fame (Carson 1962), in a classic life history study (1939), reidentifed speci-ments, corrected the taxonomy, and established the true nesting and wintering distributions of the two taxa. He discovered that <u>bicknelli</u> has a wing chord usually less than 96 mm, that it nests at timberline from the north shore of the Gulf

of St. Lawrence south to the Catskills (Fig. 3), and that it winters exclusively on Hispaniola. On the other hand, he stated that the Gray-cheek has a wing up to 108 mm, nests from Siberia to Newfoundland, and winters entirely in South America. The purpose of this article is to reinstate Wallace's findings, to emphasize their correct-ness, to round out the summer and winter distribution from per-sonal observations, to describe the wild and strange songs, and to sound the alarms about destruction of the nesting habitat by acid clouds from the west....

MAINE

Although Maine is encircled by records of Bicknell's Thrush and the Gray-cheek occupies timberline spruce near Chimney Pond (just beneath Katahdin at the end of the Appalachian Trail, in Baxter State Park), nevertheless, no determination of the subspecies has been made by measuring the wing. In an effort to do so, Roger Applegate and Joe Marshall played tapes in a level tract of red spruce at 550 m altitude on the Fire Warden Trail (above Stratton Pond) on Mount Bigelow the afternoon of 9 June 1991. Applegate had previously noticed that there are no Bicknell's Thrushes higher on the peak, as at Cranberry Pond. Upon our descent at late dusk, 2115 h, an apparently stationary Bicknell's Thrush far to the southeast uttered five or six calls and one song. We place the bird at 457 m altitude in secondary hardwood forest.

At Baxter State Park, north base of Katahdin, Stephen Oliveri and Joe Marshall found and tape recorded Bicknell's Thrushes on 9 and 10 June 1992 in or near areas of krummholz composed of red spruce and balsam fir. At dusk of the 9th and dawn of the tenth we heard one or two birds in the dense conifers on the northeast side of Chimney Pond (890 m altitude). We could never pin them down to territories, as they constantly shifted positions around us. Evidently we had attracted them by our loud whistles and shrill tapes, down from their true home on the steep north-facing krummholz within view at the start of the ascent of Dudley Trail. Because it is on a cold, north-facing slope this should be a true timberline at about 900 m, which should be examined. The heavy forest around Chimney Pond and throughout all of lower West Basin is simply not Bicknell's habitat.

On the Saddle Trail rising westward from Chimney Pond, Marshall heard one "bzew" call half-way up, in dense forest. But farther up, at 1060 m, the terrain levels off in dense conifers of low stature somewhat resembling a timberline and ideal habitat for the thrush. Here between 19:35 and 21:10 hours Marshall tape-recorded songs and calls of numerous Bicknell's Thrushes both north and south of Saddle Brook. He had retreated eastward so as to avoid the sound of the brook. Nevertheless the wind was so strong and so frequent that Marshall could not count the birds, as he was hearing them mainly through the long-range, stereo microphone set-up. There could be perhaps fifty pairs at the 1000 m level of lush, low conifers in this majestic West Basin. Most would be too far from the trail to be heard except

on a rare, windless night. But every opportunity should be taken to make a count or an estimate. The birds are extremely vocal in this correct habitat, at dusk. They commence to sing after the wrens, Blackpolls, and olive-backed Thrushes have ceased. hazard the guess that Katahdin rivals Mansfield and Washington with the largest population of Bicknell's Thrush in existence. Steve Oliveri finds additional krummholz with Black polls at the summit of Saddle Trail, on Table Land where he studies the nesting Water Pipits (Anthus spinoletta). This must be the true east-facing timberline, at 1300 m, corresponding to that facing north at 900 m on lower Dudley Trail. Curiously, the Blackpoll occurs through the altitudinal span from a spruce grove several hundred meters east of Basin Ponds all the way to Table Land, and the Olive-backed Thrush begins below Roaring Brook Camp and extends upward to overlap bicknelli at the crossing of Saddle Brook with Saddle Trail....

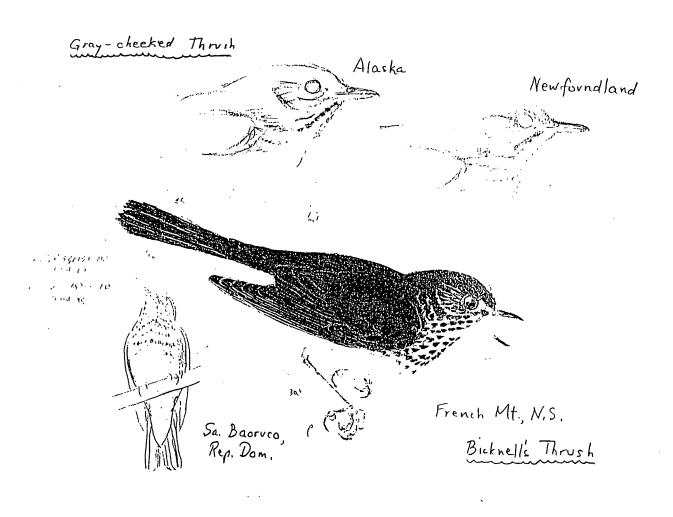


Fig. 1. Watercolor by Joe Marshall based on field sketches, Smithsonian specimen of a freshly molted fall migrant number 532251 prepared by Roxie Laybourne, and a belligerent individual at French Mountain.

By Steve Oliveri Abstract

The bird community of a spruce fir forest stand in Maine's Baxter State Park has changed in response to habitat disruption caused by a severe spruce budworm outbreak. The outbreak killed all the mature fir and much of the mature spruce in the study area. Between 1982 and 1987, species adapted to foraging or nesting in mature softwoods declined while those adapted to disturbance and early successional stages increased. Since 1987, habitat changes have occurred more slowly and there are fewer noticeable changes in the bird community.

Introduction

This study examines the changes in bird species composition over a 10 year period in response to habitat changes in a spruce-fir stand in the Nesowadnehunk area of Baxter State Park. It will provide a descriptive record of change as the habitat continues to develop, through succession, back into a spruce-fir forest community. It is the intention of the author to continue to monitor bird species composition on the site at 5 year intervals for as long as possible.

In 1982 fir mortality from the spruce budworm outbreak of 1970-1985 was peaking in the region surrounding and including Baxter State Park. Spruce mortality was also becoming increasingly evident. The Maine Forest Service funded a study to compare bird populations in a stand just outside the park which had been sprayed with insecticide to reduce tree mortality with an unsprayed stand inside the park, (Oliveri and Famous 1983). That study showed that, despite heavy fir mortality, the composition of the bird communities in the two stands remained similar, and were still dominated by those species associated with the upper canopy of a mature softwood forest.

In 1987 the author conducted the first 5-year follow-up study. By this time the protected stand outside of the park had been clear-cut and the stand inside the park had experienced heavy mortality. Because of extensive blowdown and virtually impene-trable patches of raspberry and regenerating fir thickets, it was not possible to census the entire plot that was used in 1982, and a different plot configuration had to be devised. To insure that the plot would be found in future years and to make censusing easier, the centerline of the plot was moved to the perimeter road and the plot itself was lengthened. Therefore bird census data from 1982 is not directly comparable to data from the 1987 and 1992 censuses. However, the 1982 data has been adjusted pro-portionately to approximate 1987 and 1992 plot configuration. A qualitative comparison, but not an absolute one, can be inferred. It is not the intent of this study to provide statistical analysis of the data, but merely to describe the changes which have occurred.

There are many factors outside of the plot which could influence the species present. Loss of wintering habitat in the tropics, mortality during migration, predation, disease, weather, food availability and other phenomena can all influence bird populations and could either mask or enhance the effects of habitat changes on the breeding grounds. Detectability of a species will also affect census results. Some species such as white-throated sparrows and winter wrens sing loudly and frequently. Others, like the brown creeper and yellow-bellied flycatcher may sing quietly or infrequently. Timing of nesting, activity patterns, and size of territory will also affect detectability, thus early nesting gray jays are likely to be under-censused while owls are apt to be missed completely. All of these factors should be considered when analyzing the results reported here, or in any study of avian populations....

Conclusions

Species richness has held steady, or declined only slightly, since 1982. The mix of species has changed but the number of species has not. Total numbers of territories increased from 1982 to 1987. An apparent decline in 1992 may be due to lower detectability of magnolia warblers, which have replaced white-throated sparrows as the dominant species on the plot. The presence of newly territorial species and the disappearance of formerly territorial species attest to the habitat changes that have taken place.

Species which appear to have been negatively affected by the habitat changes since 1982 are black-backed woodpecker, Black-burnian warbler, Cape May warbler, yellow-rumped warbler, oven-bird, Swainson's thrush, and northern junco. Species which appear to have been positively affected by the habitat changes since 1982 are winter wren, hermit thrush, solitary vireo, Nash-ville warbler, magnolia warbler, mourning warbler, common yellow-throat, and white-throated sparrow.

These conclusions pertain only to the study plot and not to Baxter Park as a whole nor to the species listed in general. There are many other factors which could affect these species which are beyond the scope of this study. There are no controls and the study site is relatively small. Nevertheless, the results are consistent with the ecological principle that species composition changes as habitat changes.

The budworm outbreak and all its consequences can not be looked at in isolation, but rather as a continuum of ecological changes. The effect of the budworm outbreak on any given species is not static. Cape May warblers may have benefited during the outbreak, but have declined since its collapse. The black-backed woodpecker also appeared to enjoy at least a short term benefit; not from the outbreak itself but from its immediate aftermath of abundant dead and dying fir. Yet these birds also appear to be less numerous at present. Few, if any authors have speculated

that the budworm outbreak has had a positive effect on magnolia warblers or winter wrens, yet the creation of abundant suitable habitat as a consequence of the outbreak has certainly benefited these species. In fact, these benefits may outlast the outbreak itself. To characterize the outbreak as "good" or "bad" for any particular species must be done within the context of time, or not at all.

Acknowledgments

The author gratefully acknowledges the support of the staff of Baxter State Park, especially Jean Hoekwater, Park Naturalist, and Irvin "Buzz" Caverly, Jr., Director.

Literature Cited

OLIVERI, S. F. AND N. C. FAMOUS. 1983. A comparison of bird populations in moribund and healthy spruce-fir stands in Maine. In Environmental Monitoring Reports from the 1982 Maine Cooperative Spruce Budworm Suppression Project. Maine Forest Service/Department of Conservation, Augusta, Maine.

Table 3. Species which have formerly held territories.

Last recorded as holding territory in:

1982:

black-backed woodpecker red-eyed vireo Tennessee warbler Cape May warbler Blackburnian warbler ovenbird purple finch

1987:

ruffed grouse downy woodpecker three-toed woodpecker brown creeper cedar waxwing black-and-white warbler

Table 4. Species which have appeared as newly territorial species on the plot in 1987 and 1992.

1987:

1992:

downy woodpecker three-toed woodpecker veery black-and-white warbler pileated woodpecker blue jay Solitary vireo Canada warbler

Table 1. Number of territories by species.

			•
Common Name	1982	1987	1992
common goldeneye	0	+	0
broad-winged hawk	+	+	ŏ
ruffed grouse	i	i	ŏ
belted kingfisher	Ō	Ō	+
northern flicker	+	ŏ	+
pileated woodpecker	Ó	ŏ	i
yellow-bellied sapsucker	+	+	Ô
downy woodpecker	Ó	i	ŏ
black-backed woodpecker	2	Õ	ŏ
three-toed woodpecker	0	i	Ŏ
yellow-bellied flycatcher	3	3	4
least flycatcher	0	Ō	+
eastern pewee	+	+	+
olive-sided flycatcher	0	+	0
tree swallow	0	Ó	+
gray jay	0	+	+
blue jay	+	+	1
northern raven	0	+	0
boreal chickadee	+	+	+
red-breasted nuthatch	+	+	+
brown creeper	1	1	0
winter wren	1	8	9
American robin	+	3 0	+
wood thrush	+	0	Ó
hermit thrush	1	5	3 1
Swainson's thrush	3	0	1
veery	0	1	1
golden-crowned kinglet	3	+ 2 1	3 2 + 3
ruby-crowned kinglet	+	2	2
cedar waxwing	1		+
solitary vireo	0	+	
red-eyed vireo	1	0	+
black-and-white warbler	0	1	+
Tennessee warbler	1	0	0
Nashville warbler	6	11	13
northern parula	1 8	1	2
magnolia warbler		21	28
Cape May warbler	5	+	0
yellow-rumped warbler Blackburnian warbler	14	7	3
chestnut-sided warbler	14	0	+
ovenbird	0	1 0	1 0
northern waterthrush	5 0		
	3	T 5	2
mourning warbler common yellowthroat	1	+ 5 5	+ 3 5 2 + 0
Canada warbler	+	+	2
American redstart	+	0	
common grackle	+	+	Ŏ
rose-breasted grosbeak	+	⊤	+
evening grosheak	+	T	Õ
evening grosbeak purple finch	ī	+	Ŏ
pine siskin	+	0	ŏ
white-winged crossbill	+	ň	
northern junco	6	5	3
chipping sparrow	+	+ 0 0 5 0	+ 3 0
white-throated sparrow	11	26	11
TOTALS	93	110	99
= = = =			

⁺ species present but not determined to be holding territory 0 species not present

Table 2. Number of territories by habitat association

	•		•
Habitat Association	1982	1987	1992
Standing Dead Trees			
pileated woodpecker downy woodpecker black-backed woodpecker three-toed woodpecker SUBTOTAL	0 0 2 0	0 1 0 1	1 0 0 0
Mature softwood	-	-	•
upper canopy	•.		
golden-crowned kinglet ruby-crowned kinglet northern parula Cape May warbler yellow-rumped warbler Blackburnian warbler purple finch	3 + 1 5 14 14	+ 2 1 + 7 0 +	3 2 2 0 3 +
sub-canopy			
yellow-bellied flycatcher brown creeper Swainson's thrush Tennessee warbler northern junco SUBTOTAL	3 1 3 1 6	3 1 0 0 5	4 0 1 0 3 18
Disturbance & Early Succes	sion		
winter wren Nashville warbler magnolia warbler chestnut-sided warbler mourning warbler common yellowthroat Canada warbler white-throated sparrow SUBTOTAL	1 6 8 0 3 1 + 11 30	8 11 21 1 5 5 + 26	9 13 28 1 3 5 2 11 72
Mixedwood	•		
ruffed grouse blue jay American robin hermit thrush veery cedar waxwing solitary vireo red-eyed vireo black-and-white warbler ovenbird	1 + + 1 0 1 0 1 0 5	1 + 3 5 1 1 + 0 1 0	0 1 +3 1 +3 + 0 8
solitary vireo red-eyed vireo black-and-white warbler	1 0	1	

⁺ species present but not determined to be holding territory 0 species not present

XI <u>LONG-TERM STUDIES</u> <u>PINE MARTEN PROJECT</u>

1992 was the second full year Pine marten research was carried out in the Park. Dave Phillips was principal investigator throughout the period; Kelly Rogers was a seasonal field inves-Regular bi-weekly reports were filed, detailing recent activities, numbers of Martens being tracked, any Marten mortalities or other unusual events. The field workers also presented a public program on Pine Martens at Daicey Pond. In September, both investigators met to discuss their project and demonstrate telemetry techniques with interested members of the Scientific Study Review Sub-Committee. For readers not familiar with the objectives and goals of this study from previous annual reports, the following summary is included:

SPATIAL RELATIONSHIPS AND DISPERSAL CHARACTERISTICS IN AN UNEXPLOITED AMERICAN MARTEN POPULATION

Investigator:

D. M. Phillips

Advisors:

D. J. Harrison, Chairperson

W. B. Krohn K. D. Elowe W. A. Halteman

Cooperators/

McIntire-Stennis

Project Support: Maine Department of Inland Fisheries and Wildlife

Baxter State Park

Objectives:

- Compare spatial relationships in an unexploited marten population to a
 recently studied population in an area characterized by extensive timber
 harvesting and intensive trapping.
- Document the extent of seasonal and annual home range fidelity of martens.
- Document and compare sex-specific characteristics of dispersal in an unexploited marten population.

SCOPE: Despite the ecological and economic importance of martens, and the steadily increasing harvest in Maine, reports on home range size, seasonal and annual home range fidelity, and degree of overlap are fragmented and often inconsistent. Most marten research has been conducted in areas subject to trapping pressure and/or timber harvesting, and an assessment of marten spatial relationships in an unexploited marten population is needed.

Knowledge of marten dispersal characteristics is an essential ingredient of sound management decisions; however, reports on timing, directionality, distance and duration of dispersal is largely anecdotal. A large scale biotelemetry study of these factors is justified due to the contradictory and incomplete information available, and the fact that marten dispersal characteristics remain unknown.

My goals are to document spatial relationships (i.e., home range size, seasonal and annual home range shift, spatial and temporal overlap) of martens in a 50km² area of Baxter State Park, and compare them with the results of a recently completed study of an adjacent population in an area characterized by extensive timber harvesting and intensive trapping. I will document dispersal characteristics of martens, evaluate their relationship with Maine's current harvest restrictions, and assess the role of the park in maintaining marten populations in adjacent areas where trapping and forest harvesting occur.

PROJECT STATUS: Since October 1990, 65 martens have been equipped with radio-collars in the Baxter study area. Over 2,500 relocations were obtained by livetrapping, ground and aerial telemetry, and walk-in observations. Sufficient data are available for 34 martens (17m, 17f) to document and compare spatial characteristics. Twenty-one martens (7m, 14f) will be used in the analysis of dispersal.

MALE FERN SPORE BANKING

Bill Brumback, Conservation Director of the New England Wildflower Society, requested and received permission to collect fertile fronds from the Male Fern, Dryopteris felix-mas, for germination at the NEWFS laboratory. When the ferns exhibited spore-readiness, the Naturalist informed Brumback. Occupied with numerous other seed/plant collecting trips during the height of summer, Brumback asked if the Park would support the idea of the Naturalist collecting several fertile fronds and sending them to him through the mail. Director Caverly agreed and the Naturalist collected and mailed 6 fertile fronds to NEWFS.

PEREGRINE NESTING SURVEY

On May 22, Charles Todd, with other researchers of the Department of Inland Fisheries and Wildlife - Endangered Species Group - verified a pair of Peregrines in residence and nesting at Wassataquoik Mountain. A return trip on July 14-15 yielded no evidence of young or continued nesting. The Wassataquoik Mtn. site is somewhat unusual in that it faces north; this may or may not be a factor in the apparent abandonment of the site. Biologists will continue to monitor Peregrine in the Park if and when they occur.

COMPLETED RESEARCH REPORTS ON FILE

- "Ecological Study of Baxter State Park and Mt. Katahdin" by Paula Downes, 1972.
- "A Study of Soil & Vegetation at Selected Campgrounds in Baxter State Park and Acadia National Park" by William D. Lilley, 1975.
- "A Regional Study of Heavy Metals in Lichens, Mosses and Organic Soil Horizons in High Altitude Ecosystems" by John M. Richey, 1976.
- "Baxter State Park: A Profile of Users, Activities and User Attitudes, 1979 by S. D. Reiling, F. E. Montville & Co. R. Facchina.
- The Reproductive Biology of <u>Saxifraga</u> <u>stellaris</u> var <u>comosa</u> on Mt. Katahdin, ME by Don Hudson, 1979.
- Inventory of Plecoptera species collected from Baxter State Park (1979-80) by Terry Mingo, 1980.
- The Effects of Baxter Park Fire on the Vegetation & Soiles of Several Coniferons Stands" by Sandra Bartrell Hansen, 1983.
- "Field Studies of the Yellow-Nosed Vole & Northern Bog Lemming" by Garrett Clough 1986.
- "Spiders of Mt. Katahdin, Baxter State Park, Piscataquis County ME" by Daniel T. Jennings, 1986.
- BSP User Survey, Burnham Martin, 1989.
- "A Theoretical and Empirical Evaluation of a Method of Estimating Area Occupied for Breeding Woodland Hawks in ME" by Holly Devaul, 1990.

RESEARCH PROPOSALS SUBMITTED & APPROVED After 1988

- Baseline Characteristics of Alpine Area of Katahdin by Cogbill & Hudson 1/20/89.*

- Pine Marten Project by Dan Harrison, 5/3/89.
- Ancient Forests of New England History of Environmental Change by Cogbill, Conkey & Hudson 3/1/91.
- Baxter State Moss Inventory, Bruce Allen, Hank Tyler 1/91.**
- Katahdin Arctic Nursery & Breeding Areas, Chris Livesay 6/19/91.
- Mycological Foray Micheline Mulvey 6/30/91.*
- Forest Health Monitoring, MFS 1991.
- 5 Year Bird Census, Steve Oliveri, 1/92.*
 Gray-Cheeked Thrush Study by Roger Applegate & Joe Marshall Dec. 91.*
- Reintroduction of Orono Sedge, Alison Dibble, 1/10/92.
- Taxus canandensis Taxol research, Alison Dibble 1/14/92.
- Banking Male Fern Spore, Bill Brumback, New England Wildflower Society, 11/91.

*Final report submitted.

SCIENTIFIC STUDY REVIEW COMMITTEE

Jean Hoekwater, Staff Coordinator

Dave Field Steve Oliveri Woodrow Thompson Jane Thomas Hank Tyler

Dyke Eusden John Albright George Matula Daniel Lux

^{**}Project approved but never took place.

E. ADMINISTRATIVE SERVICES

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		4	

I PERSONNEL

Changes in personnel this year are as follows:

Promotions, Demotions and Transfers:

Gladys Hanson demoted from Clerk Position with Liquor Stores to Clerk II at Park Headquarters.

Jodi Tollett-Browning transferred from Gatehouse Attendant at Togue Pond to Campground Attendant at Katahdin Stream.

Janet Angotti-Daigle promoted to Clerk II at Park Headquarters from Park Receptionist on an acting-capacity basis until August.

New Hire:

Tom Edes - Campground Ranger I, Trout Brook Farm
Mark Drew - Acting-Capacity Campground Ranger I, Nesowadnehunk
Stewart Guay - Campground Attendant, Chimney Pond
Jeff Madore - Acting-Capacity Campground Attendant, Roaring
Brook

Troy Dow - Campground Attendant, Abol
Jim Hunt - Gatehouse Attendant, Togue Pond
John Doe - Gatehouse Attendant, Togue Pond
Andrew Angotti - Gatehouse Attendant, Togue Pond
Margaret Rickel - Gatehouse Attendant, Togue Pond
Kristie Hall - Acting-Capacity Park Receptionist, Millinocket

Employee Terminations:

Philip McGlauflin - retired as Maintenance Supervisor-Millinocket Christine Trefethen - Campground Attendant, Chimney Pond John Horton - Campground Attendant, Katahdin Stream Amy Gumprecht - Gatehouse Attendant, Togue Pond Ric Turmel - Gatehouse Attendant, Togue Pond Caitlan Morse - Gatehouse Attendant, Togue Pond Colleen Moore - Clerk II, Park Headquarters

II TRAINING

APRIL - Managing the Search Function. First Notice, Lost Person Behavior, Confinement, Search Strategy, Search Tactics, Suspension and Demobilization. Chris Drew attended.

- Alpine Managers Gathering. Managing fragile alpine areas. Jean Hoekwater attended.

MAY - Affirmative Action Training. Refresher in new

laws and policies. Roxie McLean and Jean Howes attended.

Americans With Disabilities Act Workshop. Identify services and programs which we provide that must be handicap accessible as well as facilities that must be made handicap accessible. Roxie McLean attended.

JUNE

 Maine Forest Service training for Campground Rangers and Attendants.

Spring Orientation for all staff

Solo Wilderness Backcountry Medicine two-day course. CRI's, CA's, Trail Crew and Contract Personnel attended.

112th Medivac Search & Rescue Training.

DECEMBER

- Solo Wilderness Backcountry Medicine two-day course and Bloodborne Pathogens Training 1/2 day for year-round personnel.

III CONTRACT SERVICES

Daicey Pond Campground was operated by Gabriel and Marsha Williamson.

Kidney Pond Campground was operated by Gladys and Steve Buzzell. Rubbish removal services were provided by Dave Condon d/b/a The White Knight.

Septic tank pumping was done by Cal's Septic Service.

Janitorial Services at Park Headquarters were provided by Wayne Lyle of Millinocket.

Road Construction in the SFMA was completed by Randy Cyr. Forest management services were provided by John Mills.

IV SUPPLY Roxanna McLean - Secretary to Director

Rosemary James, Stores Clerk, reports that the Capital Equipment Cards have been updated as requested by Audit. She has also completed entering Capital Equipment items into the computer which will make it much easier to keep track of in the future. A room has been made in the cellar, as requested by the Fire Marshall, for paint and chemicals to be kept in. A partition has also been put up in the garage. The Director keeps his State vehicle in one side and supplies are still being stored between the house and the Director's section. With the lack of a 1992 Audit Report at the time of this writing, we believe we are up to date in meeting Audit's recommendations.

V DONATION ACCOUNT

As of December 31, 1992's bank statement, there is \$3,780.39 in the donation account. Nothing was withdrawn during 1992. Following is a list of donors/donations to the BSP Donation Account:

Penobscot County Cons. Assoc. P.O. Box 605 Brewer, ME 04412 ATTN: Richard MacLeod	02/07/92	\$100.00
Jan K. Wilk, Co-Chair ESR/Southern RR1, Box 95 W.Baldwin, ME 04091	02/19/92	25.00
Edward & Deborah Dwyer Route 2, Box 578 Auburn, ME 04210	02/25/92	30.00
Verrill & Kendra Taylor 17 Western Ave. Auburn, ME 04210	02/25/92	30.00
Mike Perry 109 Lower Flying Point Rd. Freeport, ME 04032	02/25/92	40.00
Delmar Lovejoy 164 Pride St. Westbrook, ME 04092	02/25/92	30.00
Anonymous	03/03/92	350.00
Peter Wilk, M.D.	03/04/92	25.00

President, PSR/S P.O. Box 4202 Station A Portland, ME 04101		
Carl Rosenthal 45 Beacon Hill Drive Waterford, CT 06385	05/14/92	10.00
Beverly Loomis 18 Hill Top Road Wellesley, MA 02181	05/14/92	4.00
J.R. McTammany 429 E. Lancaster Ave. Shillington, PA 19607	05/14/92	20.00
Claudette Faulkner Federated Garden Club 525 No. Main St. Brewer, ME 04412	05/21/92	25.00
Maeder Peter Schaufelgraberweg 39 3033 Wohler, Switzerland	06/03/92	15.00
Lt. Cmdr. John Henry Clagett U.S.N. Retired Box 16 5 Locust Land Middlebury, VT 05753	06/19/92	20.00
Albert Reynolds Reynolds Associates P.O. Box 1124 Solvang, CA 93463	08/27/92	100.00
Judith Wentzell 103 Montrose Ave. Portland, ME 04103	09/17/92	50.00
Mary Lyster, M.D. 8 Carson Ave.	11/30/92	200.00
Warwick, RI 02866	Total	\$1,074.00

BAXTER STATE PARK 1992 GATE COUNTS -VEHTCLES PER MONTH

	RES	VEHTCLES NON-RES	TOTAI.	% OF TOTAL VEHICLES	TOTAL PEOPLE/ MONTH**	
MAY Togue Pond	1246	784	2030			
Matagamon	447	105	552			
Total MAY	1693	889	2582	8	6273	2.4
JUNE						
Togue Pond	2069	1881	3950			
Matagamon	477	201	678		10000	0. /
Total JUNE	2546	2082	4628	14	10963	2.4
дип.ү						
Togue Pond	3171	3485	6656			
Matagamon	744	441	1185 7841	24	21208	2.7
Total JULY	3915	3926	7841	24	21200	2 ,
AUGUST		4.0	70.40			
Togue Pond	3114	4228	7342			
Matagamon	720	501	1221		23177	2.7
Total AUGUST	3834	4729	8563	20	2.7177	2
SEPTEMBER			E 6 0 1			
Togue Pond	2531	3100	5631 781			
Matagamon	426	355	6412		14854	2.3
Total SEPTEMBER	2957	3455	0412	. 20	1 40.74	
OCTOBER		1007	2154			
Togue, Pond	1127		366			
Matagamon	225		2520		6052	2.4
Total OCTOBER	1352	1168 	2.72(
TOTALS BY USE CATAGORY	16297	16249	32546	5 100	82527	2.5
% BY CATAGORY RES/NON-RES	50	% 50%	1			

BAXTER STATE PARK
1992 GATE COUNTS - PROPLE PER GATE

	RES	CAMPERS NON-RES	TOTAL	RES	DAY USE NON-RES	TOTAL	RES	TRANSIENT:	S TOTAL	WALK/ BIKE	TOTAL	% OF
TOGUE POND GATE					NON KEU			NUN-KES		D1VD	COUNT	TOTAL
Мау	996	631	1627	2310	646	2956	87	29	116	6	4705	
June	1887	1663	3550	3574	1582	5156	199	128	327	37	9070	
July	2361	2281	4642	7087	5305	12392	209	212	421	60	17515	
August	2061	2614	4675	7177	6911	14088	376	295	671	78	19512	
September	2030	1842	3872	4986	3272	8258	372	302	674	93	12897	
October	754	642	1396	2131	1237	3368	204	112	316	15	5095	
TOGUE TOTAL	10089	9673	19762	27265	18953	46218	1447	1078	2525	289	68794	83
		CAMPERS			DAY USE			TRANSIENTS	3	WALK/	TOTAL	
	RES	NON-RES	TOTAL	RES	NON-RES	TOTAL	RES	NON-RES	TOTAL	BIKE	COUNT	
MATAGAMON GATE												
May	402	83	485	864	149	1013	41	29	70	N	1568	
June	431	182	613	734	290	1024	146	110	256	0	1893	
July	850	526	1376	1283	609	1892	259	166	425	S	3693	
August	735	468	1203	1396	773	2169	136	157	293	T	3665	
September	360	231	591	586	477	1063	193	110	303	A	1957	
October	83	84	167	373	167	540	148	102	250	T	957	
MATAGAMON TOTAL	2861	1574	4435	5236	2465	7701	923	674	1597	0	13733	17
TOTAL GATES	12950	11247	24197	32501	21418	53919	2370	1752	4122	289	82527	100

BAXTER STATE PARK
1992 GATE COUNTS - PEOPLE PER MONTH

		asunene.			DAY USE			TRANSIENTS		YALK/	TOTAL BY	% OF
	RES	CAMPERS NON-RES	TOTAL	RES	NON-RES	TOTAL	RES	NON-RES	TOTAL	BIKE	HTHOM	% OF TOTAL
МАУ						********						
Togue Pond	996	631	1627	2310	646	2956	87	29	116	6	4705	
Matagamon	402	83	485	864	149	1013	41	29	70		1568	
Total MAY	1398	714	2112	3174	795	3969	128	58	186	6	6273	8
JUNE												
Togue Pond	1887	1663	3550	3574	1582	5156	199	128	327	37	9070	
Matagamon	431	182	613	734	290	1024	146	110	256		1893	
Total JUNE	2318	1845	4163	4308	1872	6180	345	238	583	37	10963	13
JULY												
Togue Pond	2361	2281	4642	7087	5305	12392	209	212	421	60	17515	
Matagamon	850	526	1376	1283	609	1892	259	166	425		3693	
Total JULY	3211	2807	6018	8370	5914	14284	468	378	846	60	21208	26
AUGUST												
Togue Pond	2061	2614	4675	7177	6911	14088	376	295	671	78	19512	
Matagamon	735	468	1203	1396	773	2169	136	157	293		3665	
Total AUGUST	2796	3082	5878	8573	7684	16257	512	452	964	78	23177	28
SEPTEMBER												
Togue Pond	2030	1842	3872	4986	3272	8258	372	302	674	93	12897	
Matagamon	360	231	591	586	477	1063	193	110	303		1957	
Total SEPTEMBER	2390	2073	4463	5572	3749	9321	565	412	977	93	14854	18
OCTOBER												
Togue Pond	754	642	1396	2131	1237	3368	204	112	316	15	5095	
Matagamon	. 83	84	167	373	167	540	148	102	250		957	_
Total OCTOBER	837	726	1563	2504	1404	3908	352	214	566	15	6052	7
TOTALS BY	12950	11247		32501	21418		2370	1752				
USE CATAGORY			24197			53919			4122	289	82527	100
% OF TOTAL USE			29			65			5	<1		
% BY CATAGORY												
RES/NON-RES	54	46		60	40		57	43				

							SUMMER	% OF Summer						% OF	ANNUAL	% OF
CAMPGROUNDS	MAY	JUNE	JULĂ	AUG.	SEPT.	OCT.		CAMP-DAY	DEC.	JAN.	FEB.	MAR.		WINTER CAMP-DAY	TOTAL	PARK TOTAL
Roaring Brook	802	1783	2649	2625	2152	758	10769	19%	36	51	184	96	367	20%	11136	19%
Abol	351	806	1513	1597	1047	309	5623	10%	0	0	23	36	59	3%		10%
Katahdin Stream	710	1199	1788	2084	1415	458	7654	13%	0	43	36	18	97	5%		13%
Daicey Pond	424	826	965	1016	832	365	4429	8%	0	41	95	30	166	9 %		8%
Kidney Pond	258	744	1100	1126	934	403	4565	8%	0	10	26	44	80	4%	4645	8%
Nesowadnehunk	140	387	1432	1660	738	171	4528	8%	. 0	Ô	12	0	12	1%	4540	8%
Trout Brook Farm	158	262	847	1202	214	34	2717	5%	18	19	40	26	103	6%	2820	5%
S. Branch Pond	603	1231	3026	3106	1569	365	9900	17%	4	33	124	63	224	12%	10124	17%
Russell Pond	227	618	766	755	503	160	3029	5%	4	0	101	30	135	7%		5%
Chimney Pond	CLOSED	834	1008	993	818	320	3973	7%	28	50	337	210	625	33%	4598	B%
Campground Total	3673	8690	15094	16164	10222	3343	57186	79%	90	247	978	553	1868	100%	59054	80%
GROUP AREAS																
Avalanche Field	265	466	849	642	647	224	3093	30%					******		3093	30%
Foster Field	245	395	960	763	283	199	2845	28%							2845	29%
Nesowadnehunk	148	26	493	787	193	75	1722	17%							1722	17%
Trout Brook Farm	55	247	306	475	73	CLOSED	1156	11%		NOT	OPEN				1156	11%
Abol Scout Area	140	314	325	491	141	89	1500	15%							1,500	15%
Grp Area Total	853	1448	2933	3158	1337	587	10316	14%	~ * = ~ * * * * * *		******				10316	14%
OUTLYING SITES																
S. Branch Pond	56	84	221	238	152	52	803	17%							803	17%
Fowler	167	130	113	128	101	20	659	14%							659	14%
Webster	137	202	406	504	228	37	1514	33%		NOT	OPEN				1514	33%
AT Shelter	12	36	82	178	79	27	414	9%							414	9%
Davis	CLOSED	46	52	7.4	55	23	250	5%							250	5%
Wassataquoik Area	29	195	244	279	138	65	950	21%							950	21%
Outlying Total	401	693	1118	1401	753	224	4590	6 %			******			* * * * * * * * * *	4590	6%
TOT. CAMPER DAYS		10831			== = ===== 12312	4154	72092	======= === 100%	90	247	======= 978		====== 1868	100%	73960	100%
										-11	3,4	223	1000	1000	V D C ii i	100%
% OF PARK TOTAL	7 %	15%	26%	28%	17%	6%	97%		0%	0%	1%	1 %	3%		100%	

BAXTER STATE PARK Camper Days Use by Location and Activity WINTER SEASON 199/

OVERNIGHT CAMPING												
MONTH	ROARING BROOK	ABOL	KATAHDIN STREAM	DAICEY POND	KIDNEY POND	NES.	SO. BR. POND	TR. BR. FARM	RUSSELL POND	CHIMNEY POND	TOTAL NUMBER OF PEOPLE	TOTAL CAMPER NIGHTS
Dec.	36		_	-	-	-	4	18	4	28	24	90
Jan.	51		43	41	10		33	19		50	103	247
Peb.	184	23	36	95	26	12	124	40	101	337	321	978
Mar.	96	36	18	30	44	-	63	26	30	210	173	55 <i>3</i>
TOTALS	367	59	97	166	80	12	224	103	135	625	621	1868

CAMPER NIGHTS									
MONTH	GENERAL CAMPING	TECHNICAL CLIMBING Alpine)							
Dec.	54		36						
Jan.	172	8	67						
Feb.	454	75	449						
Mar.	198	115	200						
TOTALS	878	148	729						

BAXTER STATE PARK
CAMPGROUND VACANCY RATES *
1992

CAMPGROUND	# STTE-DAYS PER SEASON	# VACANT STTES	% 1992 VACANCY
ROARING BROOK	3,344	800	23.9%
ABOT.	3,192	1,007	31.5%
KATAHDIN STREAM	3,344	718	21.5%
DATCEY POND	1,672	120	7.2%
KTDNEY POND	1,669	90	5.4%
NESOWADNEHUNK	2,438	632	25.9%
SOUTH BRANCH	4.416	1,211	27.4%
CHTMNEY POND	963	175	18.2%
RUSSELL POND	1,368	350	25.6%
TROUT BROOK FARM	1,800	925	51.4%
PARK-WIDE	24,206	6,028	24.9%

OUTLYING SITF VACANCY RATES . 1992

OUTLYING SITE	# SITE-DAYS PER SEASON	# VACANT STTE-DAYS	% 1992 VACANCY
WEBSTER AREA	1,786	1,418	79.4%
DAVIS POND	137	34	24.8%
FOWLER AREA	1,210	974	80.5%
SOUTH BRANCH	416	98	23.6%
WASS. AREA	580	161	27.8%
NESOWADNEHUNK AREA	107	43	40.2%
OUTLYING SITES	4,236	2,728	64.4%

^{*}These tables reflect the rate at which sites were reserved regardless of whether or not the site was filled to capacity. Bunkhouse facilities are not included in campground tabulations.

GATEHOUSE STATISTICS:								% CHANGE	
PERSONS	1986	1987	1988	1989	1990	1991	1992	1986-92	
r annong	1700		1330		,,,,,,			1100.1"	
Resident	49459	50612	46908	50440	46913	47306	48110	-2.7	
Non-resident	25579	31415	30679	30194	30622	32028	34417		
TOTAL	75038	82027	77587	80634	77535	79334	82527		
TOTAL	13034	42021	11341	00031	,,,,,,	, , , , , , ,	JZJZ,	10,0	
Day Use	41589	45980	48746	49195	50012	49402	54208	30.3	
Transient	12267	13013	5964	6570	4318	5177	4122		
Campers	21182	23034	22877	24869	23205	24755	24197		
TOTAL	75038	82027	77587	80634	77535	79334	82527		
TOTAL	17070	02021	11301	00034	11777	13004	02321	10.0	
VEHICLES	1986	1987	1988	1989	1990	1991	1992		
Togue Pond			21430	22094	22523	23436	27763		
-	4331		4584	4797		4755			
TOTAL	24437	27127	26014	26891	27381	28191	32546	33,2	
CAMPGROUND STATISTICS:					2.5				
	1986	1987	1988	1939	1990	1991	1992		

CAMPGROUNDS:									
Roaring Brook	9622	10473	10543	10621	7406	7664	10769		•
Abol		5415	5621	5691	5381	5601	5623		
Katahdin Stream		9992	10705	10370	7223	7353	7654		TOTAL CAMPER DAYS (72,092)
Daicey Pond	4635	4863	4871	4636	5138	4842	4428		
Kidney Pond	-	-	-	2179	3315	3826	4565		TOTAL CAMPERS (24,197)
Nesowadnehunk	4703	5787	5890	6182	4695	4425	4528		19112 51111 2119 (21) 131 ;
Trout Brook Farm		3266	4193	4791	2977	2650	2717		= 2.98 DAYS PER CAMPER
				9380	9251	9610	9900		- 2.30 DATA TER CARTER
S. Branch Pond	8472	9375	9331						
Russell Pond	2719		3028	2881	2961	2968	3029		
Chimney Pond	3623	3688	3756	3888	3812	3849	3973		
TOTAL	50738		57938	60619		52788		12.7	
GROUP AREAS:	N	N							
Avalanche Field			3008	2968	3116	3110	3093		
Foster Field	S	S	3323	2627	2564	2690	2845		
Nesowadnehunk	T	r T	1288	1959		1667	1722		
	=		1483	1714	1169	1331	1156		
Trout Brook Farm	A	A T	1403	1/14	1107	1221	1500		
Abol Scout Area	T	T	- 				0001	-	
TOTAL			9102	9268	8350	8798	10316	13.3	(88 - 192)
OUTLYING SITES:						• .			
S. Branch Area	381	466	501	565	678	649	803		
Fowler Area	680	785	1005	1003		. 734	659		
Webster Area	909	1101	1491	1373	1315	1181	1514		
	111	324	171	393	386	484	414		
AT Shelter	240	243	241	251	271	230	. 250		•
Davis Pond Area			864	829	868	848	950		
Wassataquoik Area	717	773		023	000	040			
TOTAL	3038	3692	4273	4414	4314	4126	4590	51.1	
TOTAL SUMMER CAMPER DAYS	53776	59441	71313	74301	64823	65712	72092	34.1	
WINTER CAMPER DAYS	1403	919	1622	1810	1895	2435	1868		•
TOTAL ANNUAL CAMPER DAYS	55179	60360	72935	76111	66718	68147	73960		

COMPARATIVE STATISTICS - VISITOR DAYS 1986 - 1992

VISITOR DAY* STATISTICS:	1986	1987	1988	1989	1990	1991	1992	% CHANGE '86-'91
TOTAL SUMMER VISITOR DAYS TOTAL WINTER VISITOR DAYS	128814 2529	141468 2119	148900 3070	154935 3109	142358 2992	145046 4419	154619 2489 **	20.0 -1.6
TOTAL PARK VISITOR DAYS	131343	143587	151970	158044	145350	149465	157108	19.6

^{*} Visitor day = camper days + gatehouse headcount.

(a visitor staying in the park two nights would spend three days in the park. Camper days counts the nights in the park, gatehouse headcount adds the extra day)

^{**} Complete day use stats not available in 1992

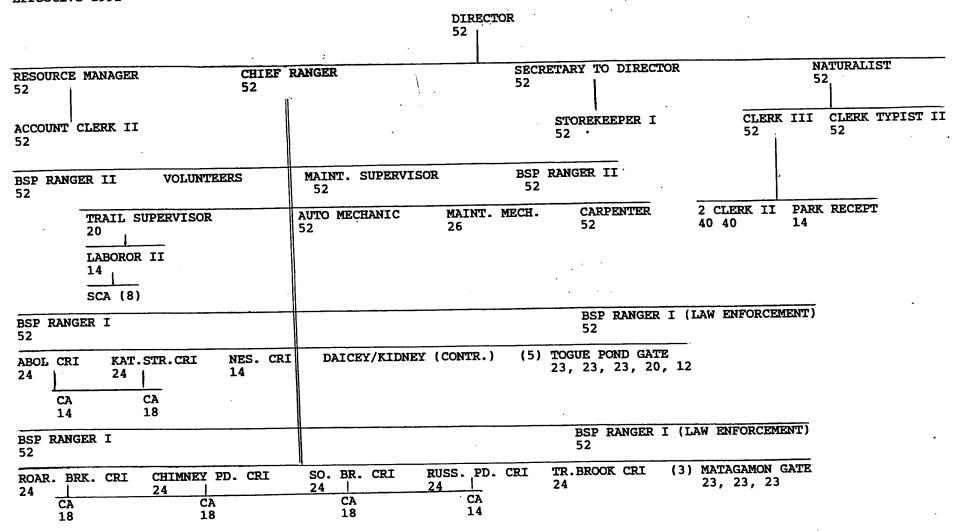
TRAIL USE-UNITS BY MONTH

		TRAT	TRAIL USE-UNITS BY MONTH						
TRATI. NAME				AUGUST				TOTAL.	TOTAL
KATAHDIN STREAM:	=====	======	======			======	=======	======	======
Hunt.	536	1057	2510	2940	1838	515	9396		
Ow!	76	127				60	1015		
	0	0		0					
Mt. Coe		()	.,	· ·	.,	•	Ó		
	20	36	0.5	22	63	25	269		
Double Top So.	.) ()	1.50	100	106	111	.17			
O.J.T. A.T. South	3	21	.) [1.2	111	1	2014		
A.T. South	5	1401	2006	28	0/00	C / 1	D.Z.	11707	1.0
KATAHDIN TOTALS	/06 	4()		.3450 	2420	641		11704	12
ABOL:									
Ahol Beach	142	29()	563	699	179	60	1933		
Abol Trail				1466					
Abol Falls	32	90		275					
ABOL TOTALS				2440	1383		··		8
ROARING BROOK:									
Chimney	495	1942	3851	4170	3022	1632	15112		
Helon Taylor		446	789				3092		
Sandy Stream			2716				10093		
So. Turner				542	479	199	2160		
Russell Pond		310	354	364	250	7/	1432		
Nature Trail									
RRG BK TOTALS			8606		6422		. 1401	33370	34
SOUTH BRANCH POND:			41.	1.0	0.0	1.0	1.60		
So. Branch Falls		62		149			469		
Ledges		49	132		62	11	388		
Howe Brook		103	259	270	125	37	846		
N. Traveler			396				1318		
Center Ridge		9	67		36	13	226		
So. Br. Mtn.	41	59	108		92		536		
Pagy Notch	241	159	511		495	164	2244		
Burnt Mtn.*	. 24	42	23	129	62		280		
Mid. Fowl. & Other	14	18	57	42	101	24	256		
Other							O		
SO. BRNCH. TOTALS	498	710	1697	1958	1342	358		6563	7
NECONADMENTINE.	 N				N	N			
NESOWADNEHUNK:	N O	101	375	542	n	0	1018		
Double Top		101	.) / .)	266	S	S	266		
Marston	S			200	τ, Τ	., Т	0		
Wass. Lake Trail	Т			40	A	A	40		
Dwelley Trail	A	101	975		Т	Т	40	1324	1
NESO. TOTALS	Т	101	375	040					

TRATI. NAME	МАҮ	JUNE		AUGUST			TRATI. TOTAL	AREA TOTAL	TOTAL
CHTMNEY POND:	-=====	======	======		=====			======	======
Dudley	218	623	973	988	715		3894		
Cathedral	161	960	1032	1265	854		4647		
Saddle	2	878	1883	2289			6966		
Hamlin	7		126		166	26	635		
N. Basin	6		151		205	38	741		
N. Peaks	0	0					24		
N.W. Basin					6.0	16	320		
CHIMNEY TOTALS				5049			.520	17007	10
								17227	18
DATCEY POND:									
	288	502	1021	1246	778	353	4188		
D.P. Nature Trail		63	134	193		41	569		
	22	21	36	59	41	8	187		
Sentinel Mt. Trail		26	21	71	40	22			
	1		33		40 64	2.3	190		
Daicey to Grassy			107		108		286 450		
Daicey to Grassy Daicey to Elbow				. ~ .	108		450		
				116			351		
Daicey to Kidney				100		25		6510	_
DATCEY TOTALS	461		1457	2063	1301	541			7
CTDNEY POND:									
	12	24	14	52	48	6	156		
Oraper Pond	10		8	18	2	10	55		
Lily Pad Pond		7	33	30	23				
= -	4.0	45	102	.50 144	4.5 67	25	116 423		
	15	4.3 79		000	161				
		79	164	292 104	47	58	769		
Windy Pitch/Niagar	b	()	64			21	242		
Daicey Pond Trail	()	0	13	18	14	6	51		
Kid. Pond Circuit	9	16		96	57	21	263		_
KIDNEY TOTALS	113	178	462	754	419	149		2075	2
RUSSELL POND:									
Russell Pond Trail	111	572	568	620	350	153	2374		
		344		429	190	79	1554		
Wass. Stream Trail	77		435						
Pogy Notch Trail	100	102	179	178	102	5.5 9.6	716		
Vass. Lake Trail	104	345	359	345	216	84	1453		
N.W. Basin Trail	5	83	130	152	98	66	534		
N. Peaks Trail	4	10	11	32	25	5	87		
Grand Falls Trail	39	94	157	104	56	24	474		
Lookout Trail	16	. 52	67	84	40	34	293		_
RUSSELL TOTALS	456	1602	1906	1944	1077	500		7485	8
POUR PROOF BARM.									
FROUT BROOK FARM:	50	2.0	1/1	70	%T	3.7	301		
Horse Mountain	52	30	141	78 150	N	N			
Littlefield Pond	30	32	59	159	n	0	280		
High/Long Pond	101	69	136	157	-	_	463		
Fowler Pond	29	17	37	24	S	S	107		
Vebster Lake	0	17	2	.5	T	Т	24		
Preezeout.	0	14	18	21	A	A	53		
Frout Brook Mtn.	0	12	14	4.3	Т	Т	69		
TROUT BROOK TOTALS	212	191	407	487				1297	1
					_======	=====	=	======	==
TOTALS BY MONTH	5197	13365	24333	28333	17906	6354		95488	100
% OF TOTAL	.5	14	25	30	19	7		100	

46 Classified Positions 2 Contract Services 8 SCA Positions Effective 1992

BAXTER STATE PARK AUTHORITY ATTORNEY GENERAL COMMISSIONER, INLAND FISHERIES & WILDLIFE DIRECTOR, MAINE FOREST SERVICE



BAXTER STATE PARK

YEAR-ROUND POSITIONS - 1992

Title/ Position Number:	Name:	Location:
BSP Director 9429-0811	Irvin C. Caverly, Jr.	Headquarters, Mlkt.
BSP Chief Ranger 9428-0966	Chris M. Drew	Headquarters, Mlkt.
Forester II 9452-0968	D. Jensen Bissell	Headquarters, Mlkt.
Secretary 005-0969	Roxanna F. McLean	Headquarters, Mlkt.
BSP Naturalist 0479A-0947	Jean Hoekwater	Headquarters, Mlkt.
BSP Maintenance Supv. 9427-0121	Philip M. McGlauflin	Headquarters, Mlkt.
BSP Rangers II 9404-0946 9404-0945	Barry MacArthur Robert E. Howes	Field Field
BSP Rangers I 9434-0946 9434-0944 9434-0943 9434-0942	Thomas P. Chase Loren Goode Bernard Crabtree Charlie Kenney	Field Field Field Field
Auto Mechanic II 8303-0926	Tim Sides	Headquarters, Mlkt.
Clerk III 0003-0091	Janice T. Caverly	Headquarters, Mlkt.
Account Clerk II 0013-1081	Judith A. Hafford	Headquarters, Mlkt.
Clerk Typist II 0012-0871	S. Jean Howes	Headquarters, Mlkt.
Storekeeper I 0221-0927	Rosemary K. James	Headquarters, Mlkt.
Carpenter 8201-0041	Albert Rickards	Headquarters, Mlkt.

SEASONAL POSITIONS - 1992

Title/ Position <u>Number</u>	Name/Location	Weeks	Start	End
MAINTENANCE RANGERS 8281-0965 - 2	Coolong - Field	26	5-5	11-5
CAMPGROUND RANGERS 9425-0631 - 7 9425-0021 - 1 9425-0221 - 3 9425-0351 - 4 9425-0641 - 8 9425-0601 - 6 9425-0391 - 5	Drew - Nesowadnehunk, Act. Curran - Russell Pond Smith - South Branch Pond Hendrickson - Chimney Pond Hamer - Roaring Brook Johnston - Abol Browning - Katahdin Stream Edes - Trout Brook Farm	14 24 24 24 24 24 24 14	6-14 5-10 5-10 5-10 5-10 5-10 5-10 5-31	9-19 10-24 10-24 10-24 10-24 10-24 9-5
CAMPGROUND ATTENDANTS 9424-0841 - 5 9424-0741 - 3 9424-0922 - 6 9424-0461 - 2 9424-0831 - 4 9424-0421 - 1	Guay - Chimney Pond Madore - Roaring Brook, Act Milne - South Branch Pond Dow - Abol Sheltmire - Russell Pond Tollett - Katahdin Stream	18 18 18 14 14 18	6-7 6-7 6-7 5-31 5-31 6-7	10-10 10-10 10-10 9-5 9-25 10-1-
GATEHOUSE ATTENDANTS 9422-0171 - 3 9422-0511 - 5 9422-0361 - 7 9422-0441 - 8 9422-0201 - 9 9422-0501 - 4 9422-0531 - 1 9422-0541 - 2	Gordon - Togue Pond Hunt - Togue Pond Miller - Matagamon Thies - Matagamon Hanson - Matagamon Angotti - Togue Pond, Act. Freelove - Togue Pond Doe - Togue Pond	23 23 23 23 23 23 20 12	5-10 5-10 5-10 5-10 5-10 5-10 5-24 6-7	10-17 10-17 10-17 10-17 10-17 10-10 8-29
TRAIL CREW 9435-0141 - 1 8002-0940 - 1	Kenway - Trail Crew Super. - Laborer II 8 SCA Students	28 14		9-26 8-15
HEADQUARTERS 0002-0731 - 1 0002-0941 - 2 9210-0967 - 1	King - Clerk II Angotti - Clerk II, Act. Hall - Park Receptionist,Ac	40 40 et.14	1-2 1-2 5-26	10-7 10-7 8-29

F. FINANCIAL REPORTS

			e de la companya de l	
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Budget Work Program and Summaries

In the spring of 1992, after review of the budget tracking summary for F.Y. 92, the work program was prepared for F.Y. 93. As always, the work program budget is prepared by the Resource Manager through a joint effort with Park staff working under the Park Director. The work program is then reviewed by the Finance Committee of the Baxter Park Advisory prior to presentation to the Authority in the May meeting. Coupled with budget preparation is an ongoing effort to carefully manage Park Trust Fund monies. Assistance in this effort is expertly provided by the Investment Sub-Committee who work with the Park Director and Resource Manager to develop policy guiding the investment strategy and income provisions of trust funds. This effort included several meetings of Park staff and the Investment Sub-Committee as well as a meeting in Boston with the managers of the main Baxter Trust and two meetings with the State Treasury and fund managers of State-held trusts.

A summary of Trust Fund Market values and growth are included in this section. Also included in this section are Budget Summaries for F.Y.'s 1990, 1991 and 1992. These Summaries were prepared by BSP Advisory member Bill Cross in an effort to maintain the inclusion of these Summaries in the Annual Report. Bill's efforts were extremely time consuming and we appreciate his efforts and commitment to maintain the continuity of our records system.

BALANCE FORWARD July 1, 198	9							\$ <u>33,499.98</u>
RE √E NUE:								
PARK OPERATIONS:								
Use Fees	\$	31,2	.115.96					
Entrance Fees	· -		553.75	-				
Sale of Maps and Guid	des		510.48	-				
Canoe Rental			277.20	-				
Transfer Fees	-		521.00	-				
Cash Over/Short & For SJB FUTAL	c. Exch.		121:50	- - \$	<u> </u>	102.8°	9	
Less: Overpayments	٠		,096.00)					
Refunds	Ī	3	,870.60 j	_	ر 14,	966 . 6	၁)	•
ARIA DECEMBER DAGE OPEN)	*			lla 1	126 0		
NET REVENUE FROM OPER TRUST FUNDS:	CATIONS			\$	l,L:3,:	130.2	9	•
	9	00,	000					
Boston Safe Deposit				-	7 000	200	^	
Casco Bank & Trust MISCELLANEOUS REVENUE:	1 <u>.2</u>	8,0		-	1,028,	000.00	0	•
License Fees	-		115.00	-				
Interest Earned	_	, 5	.1117.32	-				
Sale of Equipment	-	, 	357.48)		1 /	207 6	,	
Misc. Income	_		207.23)	-	4,5	99 7. 6	Τ	
S.F.M.A. OPERATIONS:					82	923.4	2	
Sale of Forest Produc			. 1		1.559			•
TOTAL REVENUE - A11 S				\$	1.227e	<u> </u>	<u> </u>	3 fro ofa se
Adjustment to Balance For TOTAL REVENUE AVAILAN				•			\$	<u>1,559,057.31</u> 1,592,557.30
20112 0.2 (2012)							Ψ,	1,272,77,7
EXPERDITURES:	Operations		S.F.M.A.		TOTAL			
PERSONAL SERVICES:								
Salaries, Permanent	\$ <u>411,204.35</u>	_ \$`.	33,1:08.30	_ \$				_
Salaries, Seasonal	213,296,45	. ,		_	213,29			-
letro/Overtime	30,989.05		130.96	_		20.01		-
Retirement Contr.	125,043.78		6,536.93		131,50			_
Other Benefits	67,699.78		4,036.23	– .		36.01		_
TOTAL PE SERV.	\$ 81,8,233.91	= >	ևև,112.92	=>	592,3	ره.٥٠		=
ALL OTHER:	01 0 40 C 11.		1.0 370 58		233 00	27 72		
Contractural Serv.	21.3,625.14	-	LO, 372. 58	_	233,99			_
Commodities	<u>- 68,135,33</u>	_	5,858.35	_		93.63		-
STA_CAP Charges / Int.	27,065.23		1.947.94			$\frac{33.17}{1.00}$		
Baxter Park-Cent. Exp. TOTAL-ALL OTHER	51.1:116.12	_ ş	10 350 05			46.42		
CAPITAL:	395, 292, 12	= ~	<u> 48,178.87</u>	=	<u>443,4</u>	<u> 70.99</u>		
	וו ממל זמ		יי ממל מל		ربے ہے۔	on Lo		
Buildings	16.083.84		11.296.25 7.263.38	_		21. <u>42</u> 52.72		
Equipment	7,492.36		1,200.00		<u>ر و رت</u> دا 7	92.36		_
Structures TOTAL CAPITAL	\$ 97.801.37	- ;	18,565.13		116,3			
TOTAL OWETHE	71,001,11	= ~	10,70% 1)	=	ار ون بند	00. 70		=
TOTAL EXPENDITURES	\$1,341,327.40	= ^{\$}	110,856.92	_s	X	X	<u> </u>	1,452,184.32
alunce Forward June 30, 199	20						\$	140,372.9

BALANCE FORWARD July 1, 1990		•	• • • • •	\$140,372.98
RE VE NUE:				
PARK OPERATIONS:				
Use Fees	\$	347,114.15	•	
Entrance Fees	·	86,356.75		
Sale of Maps and Guides	-	12,217.24		
Canoe Rental		10,642.18		
Transfer Fees	•	2,715.00		
Cash Over/Short & For. Ex SUB FUTAL	cch.	68.98	# 150 331 20	
Less: Overpayments		זיי דרי ייי	\$ 459,114.30	•
Refunds	-	13,552.00		
Kerunds		5,930.53	(19,482.53)	
NET REVENUE FROM OPERATIO	าพร		6	
TRUST FUNDS:			\$ <u>L39,631.77</u>	-
Boston Safe Deposit % Tru	ıst	620,000		
CascomBank & Trust		474,945	1,093,309.17	
MISCELLANEOUS REVENUE:				•
License Fees		101.00		
Interest Earned		15.771.18		
Sale of Equipment				
Misc. Income		13,394.82	29,267.00	
S.F.M.A. OPERATIONS:	•			•
Sale of Forest Products TOTAL REVENUE - All Source	20.5	•	78,166.67 \$ 1,640,374.61	
Adjustment to Balance Forward			1,635.63	
TOTAL REVENUE AVAILABLE	•	•	1,055.05	1,642,010.1 1,782,383.2
			•	17702,303.2
	ations	S.F.M.A.	TOTAL	
PERSONAL SERVICES:				
	415,097.52	\$ 34.629.28	\$	_
	192.479.23		192,479.23	
Retro/Overtime	81,146.21		81,146,21	
	133.652.50	6,939.78	<u>140,592.28</u>	_
Other Benefits	82,328.49	5,070.04	87,398.53	_
	904 <u>,703,95</u>	\$ 46,639.10	951,343.05	
ALL OTHER:				=
	<u>308,597.56</u>	41,767.00	350,364.56	
Commodities	68,010.06	8,998.02	77,008.08	-
STA_CAP charges/ Int.	20,405.69	1.491.98	21,900.67	•
Baxter Park-Cent. Exp.	22.443.64		22,443.64	-
TOTAL_ALL OTHER \$ _ [419,456.95	\$ 52,260.00	471,716.95	-
CAPITAL:				=
Buildings	14.059.92	619.00	14,678.92	
Equipment	68,026.35	750.00	68,776.35	- -
Structures	6,700.00		6,700.00	
TOTAL CAPITAL 5	88,786.27	1,369.00	90,155.27	 =
TOTAL EXPENDITURES \$ 1.1	կ12,9և7.17	\$ 100,268.10	X X X 5	1,513,215.2
Salance Forward June 30, 1991				269,167.9

BAXTER STATE PARK STATEMENT OF REVENUE AND EXPENDITURES FISCAL YEAR ENDING JUNE 30, 19 92

BAI	ANCE FORWARD July 1, 199	01_			\$ 269,167.94
REV	ENUE:				
	PARK OPERATIONS:				
	Use Fees	\$	466,250.25		
	Entrance Fees		89.35L.05		
	Sale of Maps and Gui	des _	13,620,32		
	Canoe Rental,		17,436.35	•	
	Transfer Fees		3,255.00		
	Cash Over/Short & Fo SJB FOTAL	or. Exch.	<u>295.98</u>	590,211.95	
	Less: Overpayments	1	9,533.00		
	Refunds	}	5,052.07	_	
	SUB TOTAL	`		(14,585.07)	
	NET REVENUE FROM OPE	RATIONS	\$	575.626.88	
	TRUST FUIDS:				
	Boston Safe Deposit	% Trust _	610,000		
	Casco Bank & Trust		100,000	710,000.00	
	MISCELLANEOUS REVENUE:				
	License Fees	_	105.00		
	Interest Earned	_	7.378.67		
	Sale of Equipment				
	Misc. Income		534.00	8,017.67	
	S.F.M.A. OPERATIONS:				
	Sale of Forest Produ			102,972.98	
	TOTAL REVENUE - All		\$	1,396,617.53	
=	Adjustment to Balance Fo	rward		(1,740.87)	1,394,876.66
	TOTAL REVENUE AVAILA	BLE	•	\$ <u>.</u>	1,664,044. 60
EXP	ENDITURES:	Operations	S.F.M.A.	TOTAL	
	PERSONAL SERVICES:	,	1		
	Salaries, Permanent	\$ 1.55.577.73	\$36,264.96 \$	491,842.69	
	Salaries, Seasonal	194,769.71	- <u> </u>	194,769.71	•
	Retro/Overtime	45.855.58	245.70	46,101.28	-
	Retirement Contr.	135.585.45	7,251.04	142,836.49	-
	Other Benefits	83,446.74	5,618.23	89,06L.97	-
	TOTAL PER. SERV.	\$ 915,235.21	\$ 49,379.937\$	964,615.14	-
	ALL OTHER:				
	Contractural Serv.	280,558.20	92,728.52	373,286.72	
•	Commodities	83,146.11	9,000.88	92,147.29	•
	STA_CAP Charges	31. 1.4		31.44	-
	Baxter Park-Cent. Exp.	51.488.91	(11.792.26)	39,696.65	
	TOTAL_ALL OTHER	\$ 415,224.96	\$ 89,937.14 \$	505,162.10	•
	CAPITAL:				-
	Buildings	28,205.09	333.98	28,539.07	
	Equipment	42,719.80		46,869.80	-
	Structures		i		-
	TOTAL CAPITAL	\$ 70,924.89	\$ 4,483.98 \$	75,408.87	-
	TOTAL EXPENDITURES	\$1,401,385.06	\$ 143,801.05 \$	1,545,186.11\$	1,545,186.11

BAXTER STATE PARK - F.Y. 1993 WORK PROGRAM SUMMARY OF TRUST FUND ACCOUNTS DECEMBER 31, 1991

FUNDS GENERATING OPERATING REVENUE	MARKET VALUE	ANNUALIZED INCOME	CURRENT YIELD	% OF ASSETS
PERCIVAL P. BAXTER TRUST u/ind Boston Company (14-0068-00-8)	\$17,718,348.12	\$952,760.80	5.4	63
BAXTER STATE PARK AUTHORITY INCOME FUND Boston Company	#5 061 045 66	4057 400 00		
(60-0421-00-2) STATE-HELD TRUST	\$5,861,945.66	\$257,429.88	4.4	21
Gouws Capital Management (A-48381)	\$2,852,606.33	\$194,875.00	6.8	10
SUB TOTALS	\$26,432,900.11	\$1,405,065.68	5.3	94
STATE TREASURER'S CASH POOL (082-0460)	\$57,350.50	\$3,235.8 6	5.6	0
OPERATING FUND TOTALS	\$26,490,250.61	\$1,408,301.54	5.3	94
SPECIAL PURPOSE TRUST FUNDS				
BAXTER STATE PARK AUTHORITY RESERVE FUND Boston Company (60-0422-00-0)	\$983,885.97	\$51,969.39	5.3	4
BAXTER STATE PARK AUTHORITY MACKWORTH ISLAND FUND (land purchase) (87031)	\$558,272.57	\$41,712.25	7.5	2
SPECIAL PURPOSE FUND TOTALS	\$1,542,158.54	\$93,681.64	6.1	6
TOTAL ALL TRUST FUNDS	\$28,032,409.15	\$1,501,983.18	5.4	100

BAXTER STATE PARK - F.Y. 1993 WORK PROGRAM BUDGET SUMMARY

REVENUE	CODE	1991 ACTUAL	% OF TOTAL	1992 WRK PRGRM PROPOSED	% OF TOTAL	1993 BIENNIAL	% OF TOTAL	1993 WRK PRGRM	% OF TOTAL
:::::::::::::::::::::::::::::::::::::::	***********	101		100		100		100	
SPECIAL LICENSES & LEASES	1448	101		6,000		6,000		6,000	•
INT ON INVEST	2105	17,660	24 1	400,000	22.3	411,000	22.4	450,000 *	24.0
RECREATIONAL USE OF PARKS	2610	365,280	24.1	•	22.3	4,500	•	3,500	
TRANSFER FEES	2616	2,715		4,500	4.5	90,000	4.9	85,000	4.5
ENTRANCE FEES	2618	86,357	5.7	80,000	1.3	(10,000)	1.7	(14,000)	
DUPLICATE FEES	2620	(13,645)		(14,000)		12,000		41,000 **	
MISC SERV & FEES (canoe/wd)		10,928		21,500		•		15,000	
SALE OF MAPS	2657	12,519		20,000		20,000	6.3	100,000	5.3
SALE FOREST PRODUCTS	2666	96,405	6.4	100,000	5.6	115,150	0,3	(5,000)	3,0
OVERPAYMENTS REFUNDED	2681	(5,587)		(5,000)		(4,000) 500		1,000	
MISC. INCOME	2686	-		1,000		50		100	•
CASH OVER/SHORT FORGN EX	2689	84		50		-	64.7		63.6
CONTINGENCY FROM TRUST	2724	939,796	62.1	•	65.6	1,189,901	04./	• •	45.0
SALE OF EQUIPMENT	2808	575		3,000	,	3,000		1,500	
TOTAL REVENUE Change from previ	ous column	\$1,513,188	•	\$1,792,430 18.5%		\$1,838,201 2.6%		\$1,877,800 2.2%	
EXPENDITURES BY GROUP				A1 152 DOT	ė. e	1,158,375	63.0	\$998,202	58.6
PERSONAL SERVICES	•	951,343				583,376		•	36.7
ALL OTHER		472,134		•	31.1	•		•	4.7
CAPITAL		90,155	6.0	75,800	4.2	96,450	J.£	13,200	***
TOTAL EXPENDITURE	KS -	\$1,513,632	-	\$1,785,653		\$1,838,201		\$1,702,892	
Change from previ			•	\$272,021 18.0		\$52,548 2.9		(\$135,309) -7.4%	

^{*} Reflects 1st phase rate increase.

** Includes \$29,000 in road tolls to be paid under SPMA harvest contract.

*** 5% of trailing 12 quarter rolling average market value of income-producing trust funds.

PERSONAL SERVICES	CODE	F.Y. 91 ACTUAL	TOTAL	F.Y. 92 WK PRGRM			TOTAL	WK PRGRH	% OF TOTAL
PERMANENT REGULAR	3110	449,727		573,318		558,829		488,433	
SEASONAL REGULAR	3310	192,479		245,373		261,575		214,995	
STANDARD OVERTIME	3611	4,450		20,000		20,000		20,000	
PREMIEUM OVERTIME	3612	5,720		25,000		20,000		20,000	
RETRO PAY	3516	43,787		-		•		-	
LONGEVITY	3631	6,112		5,860				7,504	
SHIFT DIFF	3638	536		138		-		- ,,,,,,	
NCN-STAND DIFF	3641	5,556		5,549		•			
UNEMPLOYMENT COMP COSTS	3810	14,986		17,253		17,253		13,334	
HEALTH INSURANCE	3901	72,987		103,653	•	121,846		96,000 *	
DENTAL INSURANCE	3905	3,944		4,647		4,598		4,320	
EMPLOYEE HEALTH SERVICE	3906	2,337		2,934		2,552		2,100	
EMPLOYER RETIREMENT COSTS	3910	140,592		167,758		163,879		142,572	
EMPLOYER GROUP LIFE	3911	1,879		1,946		1,816		2,172	
EMPLOYER MEDICARE COST	3912	3,216		3,427		3,896		3,777	
UNIFORM MAINT ALLOWANCE	3971	3,036		2,131		2,131		2,995	
UNITORN INTIL ABBOARDS	0311						44.4		
TOTAL PERS SERV		\$951,343	62.9	\$1,153,987	64.6	\$1,158,375	63.0	\$998,202	58.6
ALL OTHER									
***********						160 000		1/0 200	
PROF SERV - NOT STATE	4000	145,851		152,900		168,200		168,200	
PROF SERV - BY STATE	4100	36		600		600		200	
TRAVEL EXPENSE - IN STATE	4200	3,954		5,500		11,000		8,500	
TRAVEL EXPENSE - OUT STATE	4300	204		3,000		3,000		3,000	
OPERATING STATE VEHICLES	4400	56,670		63,200		64,200		64,200	
UTILITY SERVICES	4500	29,366		31,000		45,000		31,000	
RENTS .	4600	3,882		5,600		3,900		5,750	
REPAIRS	. 4700	41,844		28,960		41,225		40,400	
INSURANCE	4800	34,290		39,050		47,200		42,800	
GENERAL OPERATING EXPENSE	4900	57,462		104,500		81,700		141,630	
POOD	5100	4,338		4,500		3,500		4,500	
FUEL	5200	5,892		8,500		6,000		11,000	
SUPPLIES - OFFICE	5300	5,938		6,000		7,500		6,000 8,000	
CLCTHING	5400	5,727		8,000		8,000		57,000	
SUPPLIES - DEPT OPERATIONS	5600	43,820		61,500		57,700		9,000	
HIGHWAY MATERIALS	5800	11,294		9,000		8,000		3,000	
TRANS TO GEN FUND STA-CAP	8511	21,567		24,056		26,651		24,113	
TOTAL ALL OTHER		\$472,134	31.2	\$555,866	31.1	\$583,376	31.7	\$625,293	36.7
CAPITAL									
DUTEDING & THODAUPHRNTS	7101	14,679		29,300		17,100		13600	
BUILDING & IMPROVEMENTS	7200	68,776		46,500		79,350		65600	
EÇUIPHENT	7200	6,700		10,500		,,,,,,,,			
STRUCTURES	1301	0,:00							
TOTAL CAPITAL		\$90,155	6.0	\$75,800	4.2	\$96,450	5.2	\$79,200	4.7
TOTAL EXPENDITURES		\$1,513,633		\$1,785,653		\$1,838,201		. \$1,702,695	

^{*\$84,950} from Personal Services Detail + 13% anticipated increase for F.Y. 1993

BAXTER STATE PARK - F.Y. 1993 WORK PROGRAM PERSONAL SERVICES DETAIL - SEASONAL POSITIONS

PERSONAL SERVICES	DETAIL - SE	HAUURI	, rogillo	עוו										
Position Number	1010 Admin	‡Wks	P A 1991	Y R O	L L 1993	LONG	UNI	RETIRE MENT	HEALTH I	ENTAL INS	LIPE	MEDI CARE	UNERP	POSITION TOTAL
	01 Amb 11	40	13,094	15,204	14,307	0	0	2841	2574	0	36	0	244	20,003
0002-00900-0941	Clerk II	40	5,878	11,892	11,355	. 0	ā	2255	0	179	16	165	194	14,164
0002-00900-0731	Clerk II Prk Receptn		4,001	3,973	3,758	Ō	Ó	746	0	0	4	54	64	4,626
9210-00900-0967	rik kecepun	11	1,001	3,7,3	0,100	•	-							
	1021 Work G	roup /	1.											14 442
9425-00900-0351	Cmpgrnd Rng	г 25	8,900	11,315	10,695	0	100	2124	1238	86	18	0	183	14,443 14,959
9425-00900-0221	Cupgrnd Rng		8,975	10,545	10,695	0	100	2124	1754	86	18	0,	183	14,425
9425-00900-0021	Capgrad Rag		8,322	10,170	10,695	0	100	2124	1238	86	0	9	183	13,204
9425-00900-0641	Capgrad Rag		8,336	10,170	10,695	0	100	2124	0	86	16	0	183	6,317
9425-00900-0611	Cmpgrnd Rng		4,745	333	4,410	0	0	976	840	48	5	64	75 90	7,436
9424-00900-0841	Cmpgrnd Att		5,226	5,566	5,264	0	0	1045	891	62	,	76.		7,279
9424-00900-0922	Cmpgrnd Att		4,732	6,092	5,911	0	0	1174	0	0	1	86	101 90	6,547
9424-00900-0741			4,732	6,035	5,265	0	0	1046	0	62	8	76	65	4,683
9424-00900-0831	Capgrad Att		3,644	4,603	3,803	0	0	755	0	0)	55	140	8,444
9422-00900-0201	Gatehse Att		6,922	8,301	8,185	0	0	0	0	0	0	119		10,815
9422-00900-0361	Gatehse Att		7,647	8,894	8,779	0	0	1744	0	0	15	127	150 140	11,406
9422-00900-0441	Gatehse Att		6,922	. 8,356	8,185	0	0	1626	1238	86	13	119	130	11,300
	1022 Work G	_	В		٠									
	Cmpgrnd Rng		7,545	8,883	8,808	0	100	1749	0	` 0	14	128	150	10,949
9425-00900-0391	Capgina Rag		8,975	11,315	10,695	0	100	2124	1238	86	0	0	183	14,425
9425-00900-0601	Capgina Rng		4,667	4,659	4,410	0	0	876	0	48	5	64	75	5,477
9425-00900-0631	Capging Any		4,732	5,583	5,265	0	0	1046	0	0	0	76	90	6,476
9424-00900-0421	Capgina Att		4,174	309	4,097	Ŏ	0	814	693	48	5	59	70	5,786
9424-00900-0461	Gatehse Att		6,922	7,725	7,289	0	Ô	1448	0	0	0	106	125	8,967
9422-00900-0171	Gatense Att		6,922	7,725	7,289	Ō	0	1448	1238	86	13	106	125	10,304
9422-00900-0501	Gatense Att		6,922	8,410	7,289	0	0	1448	0	86	13	106	125	9,066
9422-00900-0511	Gatense Att		5,522	6,180	7,413	0	0	1472	0	0	0	107	127	9,119
9422-00900-0531	Gatense Att		3,264	3,709	3,494	0	0	694	594	41	. 3	51	60	4,937
9422-00900-0541	Garense ver	.u 12	3,201	0,,,,,	•,									*
	1023 Mainte	nance									••	٨	182	15,223
8281-00900-0965	Maint Rngr	26	8,950	10,895	10,642	0	100	2113	2168	0	19	0		13,223
	1028 Trail	Crew												16 563
9435-00900-0141	7rl Crw Ldi	r 28	10,098	13,003	12,307	0	95	2444	1386	96	24	0	210	16,562
8002-00900-0940	Laborer II		3,487	4,222			0	794	0	0	5	58	68	4,920
5002-00300-0340	2420111			,	>								. .	
			:::::::	: ::::::	: ::::::	: :::::						1 000	3 673	280,965
TSTAL SE (28 P	ASGNAL ositions)		184,256		214,995			41,072					3,673	·
	-ROUND + SEA: 6 Positions)	SONAL	,	759,776	703,428	7,504	2,995	142,572	84,950	4,320	2,172	3,777	13,334	965,052
•										_			_ b a b	

^{*} Total payroll (year-round + seasonal) actually paid estimated \$74,000 less due to furlough days and 39 hour workweek.

BAXTER STATE PARK - F.Y. 1993 WORK PROGRAM
PERSONAL SERVICES DETAIL - YEAR ROUND POSITIONS

		P A 1991		O L L 1993 ¹	LON				dentai				
Position Number	1010 Administ	ration	• • • • • • • • • • • • • • • • • • • •	•• •••••			• • • • • • • • • • • • • • • • • • • •						
0013-00900-1081 0012-00900-0871 0221-00900-0927	Accts Clk II Clk Typ II Strs Clk	18,291 17,662 15,687	20,342	19,504	1) (3675	3179	179	71	0	316	25,924
	1020 Operation	ns		•									
3429-00900-0811 9428-00900-0966 0005-00900-0969	Director Chf Rngr Scrtry	43,175 39,643 18,517	48,547 48,256 21,384	41,482	624	200	8238	4901	179		0 0 323	713 709 347	58,245 56,498 29,617
	1021 Work Grou	IP À					٠						
94C4-00900-0946 9434-00900-0942 9434-00900-0972	Dist Rngr Prk Rngr Prk Rngr	28,417 26,141 26,141	35,693 30,763 30,763	30,565 27,907 27,907	832 832 832	200		4901 4335 4901	179 179 179	125 108 108	0 0 0	522 477 477	43,395 39,581 40,147
	1022 Work Grou	p B			,								
9404-00900-0945 9434-00900-0943 9434-00900-0944	Dist Rngr Prk Rngr Prk Rngr	28,417 26,141 24,413	35,693 30,763 30,763	30,565 27,907 27,907	640 624 832	200 200 200	6070 5542 5542	3179 4335 4901	179 0 179	125 108 108	0 0 0	522 477 477	41,481 39,194 40,147
	1023 Maintenan	ce										·	
9427-00900-0121 8303-00900-0926 8281-00900-0041	Maint Sup Auto Mech II Carpenter	30,040 21,390 18,713	33,563 24,038 23,169	29,152 21,171 21,077	832 0 0	200 0 0	5790 5139 4186	2574 4902 2574	179 179 179	118 85 .81	0 0 342	498 362 360	39,343 31,838 28,799
	1027 Public Re	lations											
0479-00900-0947 003-00900-0091	Interp Spec. Clerk III	20,671 20,828	29,740 22,634	26,696 21,152	· 0 624	200 0	5302 4201	3648 2574	179 179	101 . 81	443 0	456 361	37,025 29,173
	1030 SFMA		٠										
9452-00900-0968	Res Mgr	35,430	39,062	35,531	0	200	7057	4902	179	135	566	607	49,178
TOTAL YEA (18 Po	R-ROUND sitions)	459,717					101,499				1,975	8,345	682,771

F.Y. 1993 WORK PROGRAM - BAXTER STATE PARK ALL OTHER DETAIL

С	& 0		1991 ACTUAL	1992 WRKPRGRM	1993 BIENNIAL	1993 WRKPRGRM
4000	PROF SERVIC	ES - NOT STATE				
	4015	Casual Labor				
		SCA - 9 positions	27,456	16,500	18,000	19,500
		Headquarters Grounds		1,200	1,200	1,200
		Other		1,200	2,400	5,400
	4016	Artwork, Research, Map	320			
		Revison, Film Dev., Design		•		
		and Layout		1,200	1,200	1,200
	4041	Laundry Services	9	200	200	200
	4046	Medical Services	320	800		400
	4099	Misc. Professional Service				
		Cmpgrd serv-kidney	14,120	16,000	16,900	16,900
		Cmpgrd serv-daicey	18,087	17,900	18,800	18,400
		Janitorial	6,030	7,200	7,000	7,000
		Rubbish removal	8,150	10,000	10,000	10,000
		Vault pumping	3,889	2,200	2,000	3,000
		For mgt serv	7,938	15,000	15,000	12,000
		Rd const (SFMA)	56,662	60,000	60,000	60,000
		Trucking (firewood)	0	2,500	2,500	0
		Contract workers	2,871	1,000	0	0
		Financial services	0	•	13,000	13,000
٠	TOTA	AL 4000	145,851	152,900	168,200	168,200
4100	PROF SERVI	CES - STATE				
	4106	Lab ServPhotos & h2o Tes	st 36	600	600	200
	тот	AL 4100	36	. 600	600	200
4200	TRAVEL EXP	ENSE - IN STATE				
	4270	Auto Mileage	1,771	3,000	6,000	6,000
	4230	Rooms & Lodging	1,003	1,500	2,500	1,500
	4274	Meals & Gratuities	1,180	1,000	2,500	1,000
	TOT	AL 4200	3,954	5,500	11,000	8,500

C & 0	,	1991 ACTUAL	1992 WRKPRGRM	1993 BIENNIAL	1993 WRKPRGRM
4300 TRAVEL EXPE	NSE - OUT OF STATE				
4381	Other Transportation Costs	150	1,000	1,000	1,000
4383	Rooms & Lodging	55	1,000	1,000	1,000
4384	Meals & Gratuities		1,000	1,000	1,000
TOTA	L 4300	204	3,000	3,000	3,000
4400 OPERATION O	F STATE VEHICLES				
4402	Gas, Oil, Grease	33,861	40,000	40,000	40,000
4403	Diesel Fuel	38	200	200	200
4421	Tractor Repairs	4,473	4,000	4,000	4,000
4423	Repair Parts & Supplies	15,878	15,000	15,000	15,000
4424	Snowsled Repairs	2,420	4,000	5,000	5,000
TOTA	L 4400	56,670	63,200	64,200	64,200
4500 UTILITY SER	RVICES				
4501	Telephone	16,190	15,000	30,000	16,000
4521	Electricity	5,878	7,000	6,000	7,000
4536	Other (propane, h20, sewer)		6,000	6,000	6,000
4551	Freight	1,663	3,000	3,000	2,000
TOTA	L 4500	29,366	31,000	45,000	31,000
4600 RENTS					
4601	Land at Togue and Abol	2,849	2,500	800	2,900
4602	Planes	780	2,500	2,500	2,500
4616	Office Equipment	0	100	100	100
4661	Other Equipment	. 253	500	500	250
TOTA	L 4600	3,882	5,600	3,900	5,750
4700 REPAIRS					
4701	Roads & Grounds (see detail	4,362	2,500	0	1,000
4711	Buildings (see detail)	15,119	10,460	18,225	22,400
4721	Equipment	4,695	7,000	7,000	7,000
4726	Radios	13,673	4,000	11,000	5,000
.4731	Misc. Repairs	3,995	5,000	5,000	5,000
TOTA	L 4700	41,844	28,960	41,225	40,400

4852 Vehicle 4.880 8,200 6,900 TOTAL 4800 34,290 39,050 47,200	1,500 1,500 32,800 7,000
4801 Buildings 1,786 1,550 1,600 4811 Equipment & Liability 1,343 1,500 1,500 4851 Workers Comp 26,281 27,800 37,200 38,200 6,900 4852 Vehicle 4,880 8,200 6,900 6,900 TOTAL 4800 34,290 39,050 47,200 47,200	1,500 32,800 7,000
4851 Workers Comp 26,281 27,800 37,200 34852 Vehicle 4,880 8,200 6,900 TOTAL 4800 34,290 39,050 47,200	32,800 7,000
4852 Vehicle 4,880 8,200 6,900 TOTAL 4800 34,290 39,050 47,200	7,000
4852 Vehicle 4.880 8,200 6,900 TOTAL 4800 34,290 39,050 47,200	
	42,800
4900 GENERAL OPERATING EXPENSE	
4901 Stamps 5,661 8,000 10,000	8,000
•	14,000
4938 Photocopying 2,016 3,000 4,000	4,500
4939 Printing - State 6,889 8,500	8,000
4946 Advertising 1,765 2,500 1,500	2,500
	29,000
4973 Training & Tuition 1,148 4,000 6,000	4,000
	40,230
4978 Advisory Committee Travel 203 1,000 1,000	1,000
4982 Periodical & Newspaper 385 400 400	400
• •	30,000
(S&R, Boundary, Vol Prog. + 4% unanticipated(\$23,000))	30,000
TOTAL 4900 57,462 104,500 81,700 1	41,630
5100 COMMODITIES	
5150 Food 4,338 4,500 3,500	4,500
TOTAL 5100 4,338 4,500 3,500	4,500
5200 FUEL	•
5201 0il 5,052 6,000 6,000	6,000
5211 Wood 840 2,500	5,000
TOTAL 5200 5,892 8,500 6,000	11,000
5300 OTHER SUPPLIES	<i>:</i>
5301 Office Supplies 5,938 6,000 7,500	6,000
TOTAL 5300 5,938 6,000 7,500	6,000

C	& 0	_	1991 ACTUAL	1992 WRKPRGRM	1993 BIENNIAL	1993 WRKPRGRM
5400	CLOTHING				**	
•	5402	Employees Clothing	5,727	8,000	8,000	8,000
	TOTAL	5400	5,727	8,000	8,000	8,000
5600	OPERATING SU	PPLIES			2 -	
	5611	Educational Supplies	122	500	1,200	500
	5629	Resale Items	9,881	15,000	10,500	10,500
	5636	Misc. Supplies (Spring Req)		30,000	30,000	30,000
	5650	Misc. Minor Equipment	8,017	16,000	16,000	16,000
	TOTAL	5600	43,820	61,500	57,700	57,000
5800	HIGHWAY MATE	RIALS				
	5812	Culverts	7,596	4,000	4,000	4,000
	5830	Lumber	2,444	4,000	4,000	4,000
	5861	Signs	1,254	1,000	1,000	1,000
	5890	Other Highway Materials	0	2,000		0
	TOTAL	5800	11,294	9,000	8,000	9,000
8511	TRANS TO GEN	FUND STA-CAP	21,567	24,056	26,651 .	24,310
			=======================================			
	TOTAL AL	L OTHER	472,136	555,866	583,376	625,490

BAXTER STATE PARK - F.Y. 1993 WORK PROGRAM REPAIR PROJECTS DETAIL 4701/4711

4701 Rep	pairs to Roads and Grounds	F.Y. 92 BIENNIAL		F.Y. 93 BIENNIAL	F.Y.93 W.P.
1023 Maj	intenance				
1030 SFN	Fence repair	1,000	1,000	0	1,000
1030 511	Replace Coffeelos leach field	1,500	1,500		
	Total 4701	2,500	2,500	.0	1,000
4711 Rep	pairs to Buildings				
1021 Wor	rk Group A				
	Reinforce Trout Br. bridge	1,000	1,000		
	Skylight Russ Pd crew camp	460	460		
	Telos Camp - replace porch etc.			2,800	. 0
	McCardy Camp - replace porch etc.			0	2,800
	Davigneau Camp - replace chimney				
	repair windows & bldg support			1,500	1,500
	Webster Lake Camp - replace sills			•	
	steps & blocking			500	500
	Roaring Br jack & roof garage	2,000	2,000		
	General Repairs	1,500	1,500		2,500
1022 Wor	k Group B				
	Nes. Ranger Camp - stabilize foundation	3,000	3,000	0	3,800
	Daicey Pond - replace steps, floors porches as needed	1,500	1,500	1,575	1,500
	Togue Pond - replace steps, floors porches as needed			3,800	3,800
	Kidney Pond - replace roofs and			2,500	2,500
	upgrade cabins as needed	2,500	2,500	2,650	2,500
	Gen repairs - roofs, chimneys etc	2,500	2,300	2,000	2,000
1030 SFM	A				
	Coffeelos Camps - general repairs		•	0	1,000
	Total 4711	11,960	11,960	15,325	22,400
	TOTAL REPAIRS	14,460	14,460	15,325	23,400

BAXTER STATE PARK - F.Y. 1993 WORK PROGRAM CAPITAL IMPROVEMENTS DETAIL - 7101

	1992	1993	1993
Division/description	Wk Program	Biennial	Wk Program
************	****	****	****
1010 Administration			
Air conditioning - lobby	3,000	•	•
Replace oil tank	5,000		
1021 Work Group A			
Tr Bk picnic shelter	325		
Matgm landing picnic shelter	325		
South Branch Pond		,	
CR1 camp - replace windows		1,600	1,600
workshop modification		2,000	0
2 vault toilets		3,000	3,000
McCardy Fld - winterize bunkho	use	2,000	2,000
Chimney Pond			
woodshed	750		
replace 3 toilets	1,500		
replace 2 leantos	1,400		
1022 Work Group B			
Kidney Pond			
ranger camp addition	2,500		
woodshed		2,500	2,500
Katahdin Str - 3 vault toilets	4,500		
Neso 2 vault toilets		3,000	3,000
Daicey Pd - 1 vault toilet	•	1,500	1,500
Concrete vault for fuel tank	3,500		
1023 Maintenance			
Support services -			
replace oil tank	5,000		•
1030 SFMA			
Crew camps - finish	1,500	1,500	0
TOTAL CAP IMPROVE	29,300	17,100	13,600

BAXTER STATE PARK - F.Y. 1993 WORK PROGRAM CAPITAL EQUIPMENT DETAIL - 7200

1	992	Wk Pro	gra	m	1993	Bienn	ial	1993	Wk Pro	gra	m
Division/Description	No.	Cost	N/	R	No.	Cost	N/R	No.	Cost	N/	R
********	***	*****	***	***	*****	****	****	****	*****	***	****
1010 Administration											
Fireproof files	1	750	N	N	. 1	750	N		0		•
1021 Work Group A											
Refrigerator (gas)	1	1,000	R	R	1	1,000	R	1	1,000	R	
Canoes		2,100				2,200		4	2,200	R	
Chainsaws		1,000				550		1	500	R	
1/2 ton pick-up		11,000				11,500			0		
Snowsled - singltr		4,700				4,900			0		
Woodstoves		1,200				700		1	700	R	
2250 Generator	-	1,200	•			1,000			1,000		*
Radio - TB	1	1,050	R		•	2,000		_			
			-				-			-	•
TOTAL 1021		21,000				21,850			5,400		
					•						
1022 Work Group B					•						
1/2 ton pick-up					1	11,500	R	. 1	13,000	R	
Solar radio sys -	1	2,000	N								
Solar radio sys -		2,000									
Snowsled - singl t		4,700			. 1	4,900	R	1	0	R	
Snowsled - double t		, ,		-				1	7,700	R	
Radio - 40 watts					2	2,000	R	2	1,600	R	
Chainsaws	2	1,100	R			500		1			•
Outboard motors		700				700			0		
Refrigerators (gas		2,000				2,000		2	2,000	R	
Woodstoves		1,200				2,250			2,250		
Woodstoves			-		2		-	_		-	
TOTAL 1022		13,700			·	23,850			27,100		
1023 Maintenance											•
Wheel balancer	1	3,500	N						_		
Truck mounted sande:	r				1	3,300			. 0		
Parts washer				•	1	1,500			0		
Casement for bushho	g				1	4,500	R		0		
Bomford brush mower									12,000	N	
Portable generator					1	1,000	N	. 1	1,000	N	*
Planer 15" (69)					1	1,300	R		0		

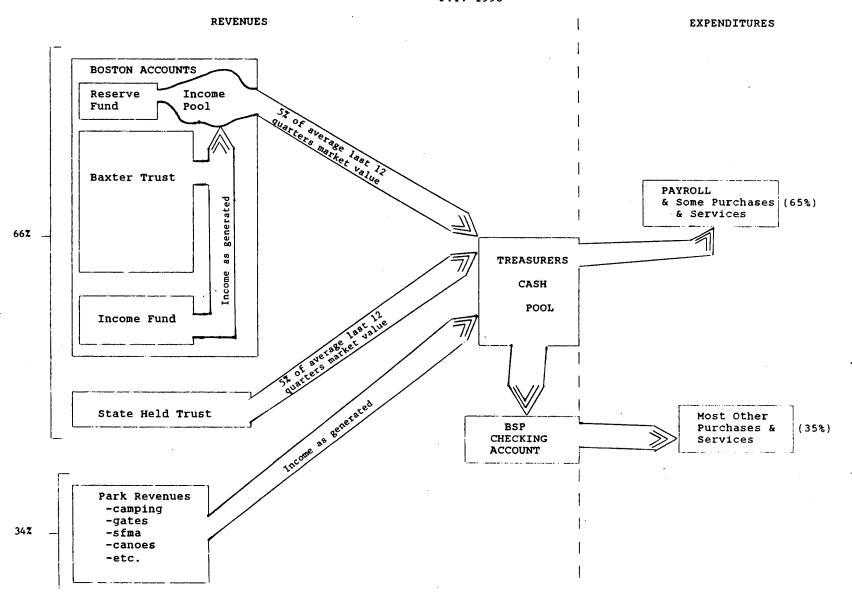
BAXTER STATE PARK - F.Y. 1993 WORK PROGRAM CAPITAL EQUIPMENT DETAIL (CONT)

	1992	Wk Progra	ım 1993	Biennial	1993	Wk Pro	gram
Division/Description ************************************							
1027 Public Relations Confirmation write A-V equipment	e 1	5,000 N		2,500 R		2,500	R
1028 Trail Crew Utility/tool trail	i 1	1,000 N					
Refrigerator (gas)			1	1,000 N	1	1,000	N
266 XP Chainsaw			1	1,000 N	1	550	N
Walkie talkie			1	800 N	1	800	
Lewis winch			1	500 N	1	500	N
1030 SFMA							
Chain saw 1/2 ton pick-up w/	1 cap	500 R	. 1 1	12,300 R	1	14,000	R
	:	======	=	======		======	=
TOTAL CAPITAL EQUI	P •	44,700	7	75,400		65,600	

^{*} Purchase dependent on need

BAXTER STATE PARK

CASH FLOW CHART F.Y. 1993



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G. DIRECTOR'S CONCLUDING REMARKS

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DIRECTOR'S CONCLUDING REMARKS

1992 was good to us. The accomplishments were many, the mandates and objectives were met, our Park was well served by the people hired to do so and visitation was successful with thousands of people enjoying the Park and its resources. Katahdin and all its grandeur continues to be a focal point and destinations are oriented in that direction, for a majority of our visitors, so it continues to offer challenges to us in management and creative thinking in ways which will help us reduce impacts, but still keep it accessible to the fullest extent possible.

Speaking of Katahdin, it is interesting to note that a study by the University of Maine has determined that the original elevation documented by the USGS of 5,267 feet has been updated to a number that varies depending on which newspaper report or study you read, or who you ask. The bottom line is they are saying the mountain is taller now than originally thought. I have had several calls asking when we are going to change our maps and literature to reflect the new elevation and I have responded, we don't until the USGS gives us an official reading or changes documents on their maps.

There are many new projects to be accomplished in 1993 and we will move ahead with goals to address each. 1993 promises to be an active year. One of our first priorities will be to complete the land transaction for the purchase of the properties outlined in the Bill of Sale Agreement signed in December by the BSP Authority and GP Corp. Upon receiving the deed, we need to move the Agreement which will the provisions of negotiations with the 4 lessees currently on the lands. to consider the boundary survey as well as the long term uses of the lands and whether Park regulations need to be applied or whether we can continue to manage under current law and status quo practices. I anticipate this to be through a public forum process following the same steps we used in developing the Management Plan. Public input on all of these issues will be an extremely important factor.

The upgrading and maintenance of facilities is ongoing as indicated in the project aspects of this report. We have made extremely good headway and we are close to approaching the time when we will be caught up and our obligations of upgrading will be reduced to maintenance standards. I commend all Park staff who have worked diligently and with a great deal of expertise since the purchases of the Togue Pond Camps, the renovation of Kidney Pond Camps, in meeting the remodeling requirements on top of all the other duties of maintaining facilities. The volunteer services of Park supporters also has made all the accomplishments possible. BSP is fortunate to have individuals with enthusiasm, skills and commitment to accomplish such tasks as they arise.

Speaking of support, I want to take this opportunity to express my appreciation to the BSP Authority, Advisories, all Park staff and individuals across our State who are most helpful in main-

taining the objectives of Governor Baxter's dream. Ours certainly is a team effort and it is important that that approach continues as we continue to be as successful as possible. So to everyone, thanks for your efforts this year and thanks for your interest, support, input and interest in 1993.

In closing, I also want the record to reflect an extension of our appreciation to Philip Merle McGlauflin. Phil retired from State service about the first of January completing a distinguished career in which he had worked for the Bureau of Parks & Recreation for may years prior to coming to Baxter from the position of Manager of Aroostook State Park to Assistant Supervisor at BSP in 1972. He accomplished many projects with his innovative skills as well as his maintenance skills. At the time of his retirement, he was Maintenance Supervisor. We wish him the best of luck as he pursues other interests and our thanks to him and his wife Nan for being part of the BSP family.

Now as we prepare for the camping season of 1993 winter/summer, I am reminded of Governor Baxter's words in his memo he sent to me in January of 1961 and I share it, as well as its sentiments, with you in closing. "Thanks to you and your family. I send my kindest regards for the year that has just come upon us and hope that you will all come through the winter in good health and spirits, or as the poets say 'When winter comes, spring is not far behind'."

Sincerely.

Buzz Caverly Irvin C. Caverly, Jr.

Director

Baxter State Park

H. APPENDIX

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BAXTER STATE PARK AUTHORITY/ADVISORY LISTING (Effective 3/92)

AUTHORITY MEMBERS:	REAPPOINTMEN <u>YEAR</u>	NT ADDRESS:	TELE- <u>PHONE</u>
JOHN H. CASHWELL, CHAIR DIRECTOR MAINE FOREST SERVICE		State House Station #22 Augusta, ME 04333	289-2791
WILLIAM J. VAIL COMMISSIONER INLAND FISHERIES & WILDLIF	E	284 State Street Station #41 Augusta, ME 04333	289-3371
MICHAEL E. CARPENTER ATTORNEY GENERAL		Dept. of the Atty. Gen. State House Station #6 Augusta, ME 04333	289-3661
ADVISORY COMMITTEE MEMBERS	:		
1. DR. ROY L. FARNSWORTH CHAIRMAN	94	Hersey Hill Rd., RFD #3 Auburn, ME 04210	783-9936
2. FRANK CLUKEY VICE CHAIR	94	20 Union St. East Mlkt., ME 04430	746-5395 746-3553
3. JANE THOMAS	93	R.F.D., Box 56 Surry, ME 04684 Camp	
4. STEPHEN CROCKETT	94	Fleet Bank of Maine 244 Water St. Augusta, ME 04330-4614	621-2200
5. BEN TOWNSEND	93	RFD 2, Box 535 Augusta, ME 04330	582-5600
6. ROBERT OHLER	95	Box 58 (H Winthrop, ME 04364	377-2142
7. RUPERT WHITE	93	Kidder, Peabody & Co., I One Canal Plaza Portland, ME 04111 800	773-1721
8. ROBERT REYNOLDS SUPERINTENDENT	94	Acadia National Park P.O. Box`177 Bar Harbor, ME 04609	288-0374
9. ERIC BAXTER	94	Hewins Travel 100 Commercial St. 800-	772-7252 -370-0888
		Portland, ME 04101	TELE-

<u>AUTHORITY</u>	YEAR	ADDRESS	TELE- <u>PHONE</u>
10. JOHN F. LOYD, JR.	95	Loyd, Bumgardner & Ciolfi Lincoln Bldg. 98 Maine Street Brunswick, ME 04011	(W)729-6556 (H)833-5007
11. JOHN HOWARD	95	R. #2, Box 58 Orrington, ME 04474	825-3724
12. JAMES GARLAND, CFA	93	H.M. Payson & Co. One Portland Square Portland, ME 04101	772-3761
13. Dr. RAY B. OWEN	93	Chair, Wildlife Dept. U. of M. 240 Nutting Hall Orono, ME 04469	581-2863 866-4892
14. JOHN P. BIBBER	94	8 Blueberry Lane Brunswick, ME 04011	725-6823
15. PHILIP AHRENS	94	R.R. 1, Box 145 Yarmouth, ME 04096	(W)773-6411 (H)846-9572
AD-HOC MEMBERS:			

- 1. Rick Scribner Rt. 1, Box 344A Machias, ME 04654 Tel: 255-3313
- 2. Shirley J. Burke Assistant Executive Director Abnaki Girl Scout Council 156 North Main Street Brewer, ME 04412-2012 Tel: 989-7474 800-464-3858
- Dr. W. Donald Hudson, Jr. Chewonki Foundation Wiscasset, ME 04528 Tel: (W) 882-7323 (H) 443-9795
- David Goodrich 22 Columbia St. Houlton, ME 04730 Tel: 532-2817

- 5. Rodney Hanscom 40 Fairfax St. Bangor, ME 04401 Tel: 833-6146
- 6. Gro Flatebo, RR1, Box 814 So. Harpswell, ME 04079 Tel: 833-6146
- Dr. Edward Dwyer, Jr. 8 Birch Meadow Rd. Brunswick, ME 04011 Tel: 784-3410

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St. Petersburg, FL 33702
Tel: 813-521-1223

B.S.P. ADVISORY COMMITTEE STANDING SUB-COMMITTEES MEMBER LISTING REVISED 4/92

COMMITTEES/MEMBERS

FINANCE COMMITTEE Steve Crocket, Chairman William Cross Jim Garland Rupert White John Howard John Bibber

PARK USE COMMITTEE

John Loyd, Chairman
Eric Baxter
Frank Clukey
Robert Ohler
Ray Owen
Winn Robbins
Ben Townsend
Rick Scribner
Roy Farnsworth
Robert Reynolds
Don Hudson
Ed Dwyer
Rod Hanscom

MANAGEMENT PLAN COMMITTEE

Robert Ohler, Chairman Winn Robbins, Emeritus William Cross, Emeritus Roy Farnsworth Don Hudson Robert Reynolds

RESPONSIBILITIES

Budget review
Finance Review
Investment review
Park Use Fee Schedule
Contractual Services

Rules & Regulations
Administrative Procedures
governing use
Volunteer program
Wilderness use concepts

Update of Management Plan Park Boundaries Land Acquisition

SCIENTIFIC STUDY REVIEW COMMITTEE

Jean Hoekwater, Staff Coordinator Dave Field, U of M Steve Oliveri, Dept. Conservation Woodrow Thompson, M.G.S Jane Thomas, Advisory Hank Tyler, State Planning Dykstra Eusden, Bates College George Matula, IF&W John Albright, Nature Conservancy Don Hudson Although the majority of members do not hold Baxter State Park Advisory or Ad Hoc status, they are individuals with specialized backgrounds providing much expertise in viewing scientific study request as assigned. Final approval or rejection on requests is responsibility of BSP Director.

LIAISON COMMITTEE

Chip Ahrens, Chair Rupert White Frank Clukey Bill Cross Jim Garland Ben Townsend John Bibber Eric Baxter Gro Flatebo

INVESTMENT COMMITTEE

Jim Garland, Chair Rupert White John Bibber

DIRECTOR'S COMMUNICATION COMMITTEE (Mailing List)

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David Getchell RR #1, P.O. Box 3355 Union, ME 04862 Tel: 785-4079

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Richard Curtis Smith Pond Road Millinocket, ME 04462 Tel: 723-8787

Joe Rankin Morning Sentinel P.O. Box 589 Waterville, ME 04903-0589 Tel: 873-3341 Fax: 873-3341 ext. 311

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Bob Richards
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Vern Haines 244 Bates St. Millinocket, ME 04462 Tel: 723-9015

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Frank Clukey
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746-3844 Rec.

Jym St. Pierre
Maine Woods Project Director
The Wilderness Society
7 North Chestnut St.
Augusta, ME 04330
Tel: 626-5635

W873-2700

Sen. Charles Pray 101 Morgan Land Millinocket, ME 04462

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Jensen Bissell, Chairman Resource Manager Baxter State Park 64 Balsam Drive Millinocket, ME 04462

Howard Butler Office of Selectmen Harpswell Town Office P.O. Box 139 South Harpswell, ME 04079

Mark Conrad SAD No. 75 22 Elm St. Topsham, ME 04086

Joe Wiley Bureau of Public Lands Station #22 Augusta, ME 04333 Gro Flatebo RR1, Box 814 South Harpswell, ME 04079

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State House Station #6
Augusta, ME 04333

John Loyd, Jr.
Loyd, Bumgardner & Ciolfi
Lincoln Bldg.
98 Maine Street
Brunswick, ME 04101

BAXTER STATE PARK SCIENTIFIC FOREST MANAGEMENT AREA ADVISORY COMMITTEE (Effective 9/19/92

	DE LA DE CANADA		
MEMBERS:	REAPPOINTM <u>YEAR</u>	ENT ADDRESS	TELEPHONE
Robert Frank, Chairman	91	Orono, ME 04473 Desk	947-8838(H) x 866-7257 x 866-7260
Charles Gadzik	92	Box 84 Brookton, ME 04413	738-4057(H) 448-2224(W)
Melvin Ames	93	R.F.D. #3, Box 118 Dover-Foxcroft ME 04426	564-7570
Jerry Bley	93	RFD1, Box 716 Readfield, ME 04355	685-9938
Charles Fitzgerald	91	16 East Main St. Dover-Foxcroft, ME 04426	564-3400
Dr. Robert Ohler	92	Winthrop, ME 04364	377-2142(H) 623-8434(W) 372-8432
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Ted Tryon	92	147 Center Street Old Town, ME 04468	827-4456(W) 894-2571(H)
Joe Wiley	93	Bureau of Public Lands Station #22 Augusta, ME 04330	289-3061
Roy Farnsworth	94	Hersey Hill Rd. RFD #3 Auburn, ME 04210	783-9936
Philip Ahrens	94	R.R. 1, Box 145 Yarmouth, ME 04096	773-6411(W) 846-9572(H)
Dr. Ray Owen	94	Chair, Wildlife Dept. U. of M. 240 Nutting Hall	.581-2863 866-4892

Oron, ME 04469

BAXTER STATE PARK SCIENTIFIC STUDY REVIEW COMMITTEE MAILING LIST Effective 1992

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Woodrow Thompson Director Physical Geology MAINE GEOLOGICAL SURVEY State House Station #22 Augusta, ME 04333 Tel: 287-2801

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John Albright
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Hank Tyler, Manager CRITICAL AREAS PROGRAM State Planning Office State House Station #38 Augusta, ME 04333 Tel: 624-6041

Stephen Oliveri
Dept. of Conservation
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BAXTER STATE PARK AU

AUTHORITY MEMBERS JOHN H. CASHWELL, CHAIRMAN DIRECTOR-MAINE FOREST SERVICE

WILLIAM J. VAIL, COMMISSIONER INLAND FISHERIES AND WILDLIFE

MICHAEL E. CARPENTER ATTORNEY GENERAL INFORMATION (207) 723-5140 PARK HEADQUARTERS
ADMINISTRATION 723-9616

IRVIN C. CAVERLY, JR., DIRECTOR

64 BALSAM DRIVE MILLINOCKET, MAINE 04462 (207) 723-9500

March 31, 1992

HEARING ON LOW LEVEL MILITARY FLIGHTS OVER BAXTER STATE PARK

MARCH 31, 1992 - 7:30 P.M. NORTHERN MAINE TECHNICAL COLLEGE, CHRISTIE BUILDING - COL. JOSEPH RILEY

SELF-INTRODUCTION/TITLE/REPRESENTATION

I am here tonight as a follow-up to a letter that you received dated March 4 from John H. Cashwell, Chairman of the Baxter Park Authority, as well as correspondence you received dated March 13 from Jane Thomas, Chairman of the 15 member Baxter Park Advisory Committee. As your records will indicate, each of these correspondences are written in opposition to your proposed great State of Maine Military Operation Area. As Director of Baxter Park, my administrative duties included the date-to-day operations, re-



sponsibility of the Park as well as planning and Policy implementation.

During the last decade there have been several incidents with low flying military aircraft in and around the Park which have negatively impacted our wildlife, the natural environment of the Park and the user who is visiting the area for those features. Most specifically Mt. Katahdin which is 5,267 feet high, Wass. Lake Valley elevation 1,386, Russell Pond, 1,332 and So. Branch Pond 985. Each of these areas is natural and beautiful and are a part of the results of former Governor Percival P. Baxter's dream of creating a wilderness area in Maine that will last for all generations.

Our Park is 201,018 acres in size. About 29,000 acres in the northwest corner is set aside for scientific forest management. The remaining 179,000 acres are to be primarily forever wild. It took Governor Baxter from 1931 to 1962 to complete this dream for his native Maine people. In addition to the awesome gift of

land, he also left trust fund provisions which totally support the 1.8 million dollar annual budget. In describing his Park, Governor Baxter said that he wanted the area to be available to people of moderate means where a man may hike with his boy, camp and cook flapjacks by the lakes and brooks. He wanted it used to the fullest extent, but in the right unspoiled way. The proposal presently being considered under the Maine Military Operation Area is inconsistent with all of the mandates of our area which are clearly identified within the deeds of gift. I am leaving with you tonight a complimentary copy of Legacy of a Lifetime which is the history and creation of Baxter Park. I hope you fill find it to be an important reference book and offer you and staff members much insight as to what our Park represents and the values of our natural resources to former Governor Baxter and the Maine people today.

Our Park was accepted through 28 transactions signed by 28 different Legislators and Governors. Governor Baxter expressed

that he feared no encroachment in the Park during his lifetime, but after he passed on, the park could become controversial as years passed by. To assure that his trust provisions were not violated, he established a sole authority to be responsible for carrying out the trust provisions, that authority to be made up of the Forestry Director of the State of Maine to look out for good forestry management and practices, the Fish & Wildlife Commissioner to assure the best management of these resources and the Attorney General for interpretation and clarification of law. Our Park was exclusively separated from the management of other bureaus at both the State and Federal levels as Governor Baxter wanted to assure that those most familiar with the resources and the trust were in control of this Maine people's park.

A visitor survey of Baxter Park users rated the following attitudes of a Baxter Park experience as very important: wilderness setting 85% out of 497 reporting, solitude 55%, quiet 71% and views 79%. These stats represent high values of a

wilderness experience. A high performance aircraft performing at just a few hundred feet above the ground in Baxter Park will be very disruptive whether that ground level be at 5,267 on the plateau of Mt. Katahdin or whether that elevation be at 1,400 ft. at Roaring Brook. Therefore I am here to strongly oppose the great State of Maine operational area and ask that you exclude Baxter Park from your exercises.

On August 21, 1991 I sent a letter to Commander Salat of Loring AFB outlining military aircraft over Baxter Park which were disruptive to our Park and its visitors, provided him some background on the Park's history and requested his assistance. September 11, 1991 I received a response from Com. Gary Schneider assuring me that they had locally implemented specific noise abatement procedures for flights in the area of the Park included is more restrictive minimum altitude. "These procedures will be incorporated in our local regulations." I appreciate Com. Schneider's quick response and trust that you will also respect the pristine nature of our Park as well as the wishes of former Maine Governor who sought to do something for his native Maine people. He was once asked how he described his mountain and he did in the following words, "Man is born to die, his works are short-lived, buildings crumble, monuments decay and wealth vanishes, but Katahdin in all its glory shall forever remain the mountain of Maine."

Thank you for the opportunity to share this information with you and I look forward to a positive response.

CONTRACT OF SALE

This Contract of Sale is made and entered into as of this 16th day of December , 1992, between GREAT NORTHERN NEKOOSA CORPORATION, a Maine Corporation, whose mailing address is P.O. Box 759, Woodland, Maine 04694 ("Seller") and STATE OF MAINE, BAXTER STATE PARK AUTHORITY, whose mailing address is C/O Irvin Caverly, 64 Balsam Drive, Millinocket, ME 04462, ("Buyer").

- 1. <u>Conveyance</u>. In consideration of the mutual covenants contained herein, the Seller agrees to sell and convey and the Buyer agrees to purchase and take title, to, upon the terms and conditions herein set forth, all that tract or parcel of real estate containing <u>1.046</u> acre(s) more or less, located in <u>Piscataquis</u> County, Maine, and being more particularly described in Exhibit "A" attached hereto and made a part hereof ("Real Property").
- 2. Purchase Price and Payment. The total purchase price for the Real Property shall be the sum of TWO HUNDRED THOUSAND Dollars (\$200,000.00) (Purchase Price) to be paid in cash at the closing. Buyer has paid to Seller the sum of TEN THOUSAND Dollars (\$10,000.00) as earnest money to be applied as part payment of the Purchase Price at closing ("Earnest Money").
- 3. <u>Title Search</u>. Buyer shall have one (1) month(s) from the date hereof in which to search title to the Real Property and in which to furnish Seller with a written statement of any title objections. If the Seller is unable or unwilling to cure the objections, this Contract of Sale shall be null and void and any Earnest Money paid shall be refunded to Buyer or the Buyer may waive such defects and proceed to closing without a reduction in the purchase price.
- 4. Closing. This transaction shall close within sixty (60) day(s) from the date hereof at a mutually agreeable time and place. At closing, Seller shall deliver its Quitclaim Deed for the Real Property to Buyer. The conveyance shall be subject to the campsite leases pertaining to the real property listed in Exhibit "B", attached hereto and made a part hereof.
- 5. Apportionment of Taxes and Other Closing Costs. All real estate ad valorem taxes and annual special charges including the Commercial Forestry Excise Tax for the calendar year of closing shall be prorated as of the date of closing, and Buyer's prorata share of taxes shall be paid to Seller at closing. Buyer shall be responsible for any *"roll-back" taxes. Seller and Buyer shall share equally in the costs of the realty transfer taxes imposed on the conveyance of the Real Property. Seller shall prepare the Quitclaim Deed and Buyer shall pay for all costs of recording the same.
- *It is hereby understood that it is the responsibility of the Seller to provide a copy of the deed and a map to the Assessors responsible for property taxation upon this parcel on or after the date of closing; and upon receipt by the Assessing Agency, they will address the status of Maine Tree Growth Tax Law as it may apply to the property herein being sold. Any penalties levied by assessors for changes in the use of this land will be the responsibility of the Buyer.
- 6. <u>Casualty Loss</u>. If, prior to closing, the value of the Real Property is materially impaired by fire, casualty, act of God or exercise of eminent domain powers, the Buyer shall have the right to terminate this Contract of Sale by giving written notice to the Seller in which case the Earnest Money shall be refunded to the Buyer.

- 7. Real Estate Commission. Unless otherwise specified herein, Seller will not pay any brokerage, commissions, or finders fee related to this transaction and Buyer agrees to indemnify and save harmless Seller from and against any brokerage, commissions or finders fees made by anyone in connection with this transaction.
- 8. BUYER hereby covenants and agrees as follows relating to campsite leases listed on EXHIBIT "B":
- A. BUYER shall undertake a survey of the Property to determine the size and location of those tracts in which LESSEES have leasehold interests, and shall note the location of any roads, buildings, septic systems or other improvements owned or used by LESSEES.
- B. BUYER shall engage an independent real estate appraiser to determine the fair market value of all leased tracts on the Property or BUYER may use an appraisal completed for the SELLER as prepared by Herbert R. Dickey, III, which is dated August 15, 1992. BUYER agrees to be bound by the determination of the appraiser with respect to the maximum fair market value of each tract, and agrees to furnish a complete copy of any new appraisal to the SELLER.
- c. After appraisal has been completed, BUYER shall forthwith extend an offer to sell to each LESSEE, at least the amount of land covered by the present lease of each LESSEE, at a price which shall not exceed the appraised value of the parcel under lease to each LESSEE; PROVIDED HOWEVER, that BUYER may assess each LESSEE, as part of its sale offer, a prorata portion of the survey expenses paid by BUYER. If any leaseholder does not accept Buyer's purchase offer, the current leaseholder may continue to lease from Buyer until the lease expires.
- BUYER, BUYER shall, upon tender of purchase price, deliver to LESSEE a good and sufficient Quitclaim Deed of the leased premises, free and clear of all encumbrances, together with a legally-enforceable right-of-way across the Property to the premises. The Quitclaim Deed shall contain conditions that run with the land that limit the use of the premises to non-commercial, single family, residential use; prevent the construction of any additional buildings, without prior approval of The Baxter State Park Authority; and limit the right-of-way to residential access. In addition, the Quitclaim Deed shall contain a condition that runs with the land that provides the Park with a right of first refusal, requiring the Lessee and his successor and heirs to offer to the Park the premises at appraised value, which appraisal shall be paid for by the Park, if the Lessee or his successors or heirs seek to sell or otherwise dispose of the premises to anyone outside of the immediate family, immediate family being defined as direct lineal descendants of the Lessee. Upon tender of the appraised amount, Lessee shall convey the premises to the Park.

The provisions of this Section shall be enforceable by SELLER, its successors or assigns, or by any of the LESSEES listed under EXHIBIT "B" attached hereto, as third-party beneficiaries under this Agreement.

- 9. <u>Complete Agreement</u>. This Contract of Sale contains the entire agreement of the parties and there are no representations, inducements or other provisions other than those expressed in writing. All changes, additions, or deletions hereto must be in writing and signed by all parties.
- 10. <u>Default</u>. In the event of default by either party, the non-defaulting party is entitled to all remedies provided at law or in equity, including the remedy of specific performance. In the event of default by the Buyer, Seller, in addition to the remedies provided hereinabove, shall retain the Earnest Money as liquidated damages.
 - 11. Time. Time is of the essence of this Contract of Sale.

- 12. <u>Possession</u>. Possession of the Real Property shall be granted to Buyer at closing.
- 13. <u>Survival</u>. Any provision herein contained which by its nature and effect is required to be observed, kept, or performed after the closing shall survive the closing and remain binding upon and for the benefit of the parties hereto until fully observed, kept, or performed.
- 14. <u>Cooperation</u>. Each of the parties shall perform all such other acts and things and execute such other and further documents as may be necessary to carry out the intent and purposes of this Contract of Sale.
- 15. Offer and Acceptance. This instrument shall be regarded as an offer by the first party to sign it and is open for acceptance by the other party for a period of thirty (30) days, by which time written acceptance of such offer must have been actually received by the other party, and this offer shall be deemed accepted when so received by that party.

IN WITNESS WHEREOF, the parties hereto set their respective hands and affixed their seals as of the day and year indicated above.

STATE OF MAINE BAXTER STATE PARK AUTHORITY

Vail

By: William J.

Its: Chairman

The above offer is hereby accepted this 16th day of December 1992

GREAT NORTHERN NEKOOSA CORPORATION

By: John F. Rasor Its: Vice-President

EXHIBIT "A"

Being a portion of a certain lot or parcel of land situated in T2R9 WELS, in said Piscataquis County, Maine and described as follows, to wit:

Beginning at a point in the dividing line between land of Great Northern Nekoosa Corporation and Baxter State Park, as described in the deed from Great Northern Paper Company to Percival Baxter dated May 11, 1962 and recorded in Book 348, Page 153; said point is located 520 feet, more or less, west of the westerly shore of Upper Togue Pond; thence S41°E a distance of 5,469 feet to a point; thence S87°E a distance of 5,313 feet to a point; thence N87°E a distance of 4,002 feet to a point; thence N7°E a distance of 2,243 feet to a point; thence N37°W a distance of 2,391 to a point in the first mentioned dividing line which is also the south bound of Baxter State Park; thence N90°W by and along said south bound of Baxter State Park 11,718 feet, more or less, to the point of beginning. Said parcel contains 1,046 acres, more or less.

And meaning and intending to convey those areas currently under lease to five separate lessees, the lessee of one area being the Grantee. Further identification of lessees is shown on EXHIBIT "B" hereby attached and made a part hereof.

Excepting and reserving, however, that lot or parcel of land under lease to the Millinocket School Department, precise location and size of this parcel to be determined by a licensed Maine surveyor, at the sole cost of the current lessee. Maximum size of this lot after surveyed may not exceed 2.5 acres. The premises are to be conveyed to the School Department to be used by the School Department for municipal recreation or educational purposes only and in the event they shall cease to be used for such purposes, the conveyance to the School Department shall terminate and title to said premises shall pass to Baxter Park Authority.

And also meaning and intending to convey a portion of that same parcel or lot of land which was specifically excepted in a deed from Great Northern Nekoosa Corporation to Great Northern Paper, Inc., dated December 19, 1991 and recorded in the Piscataquis County Registry of Deeds in Book at Pages .

EXHIBIT "B"

Lessee Name	Location	Approx. Frontage	ApproxDepth	Approx. Size	
Raymond Corrigan	Upper Togue Pd.	100 ft.	220 ft.	0.5 ac.	
Frederick Lewis	Upper Togue Pd.	100 ft.	220 ft.	0.5 ac.	
Helen Lewis	Upper Togue Pd.	100 ft.	220 ft.	0.5 ac.	
Robert Shinners	Lower Togue Pd.	200 ft.	220 ft.	1.0 ac.	

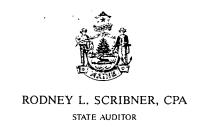
Copies of lease agreements for the above listed leases are attached hereto and hereby made a part of this EXHIBIT "B".

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STATE OF MAINE DEPARTMENT OF AUDIT

STATE HOUSE STATION 66 AUGUSTA, MAINE 04333

> Area Code 207 Tel. 287-2201 FAX 287-2351



Irvin C. Caverly, Jr., Director Baxter State Park Authority 64 Balsam Dr. Millinocket, ME 04462

Dear Mr. Caverly:

During the course of performing our auditing procedures at the Baxter State Park Authority as part of the Single Audit of the State of Maine we became aware of several matters that are opportunities for strengthening internal controls and operative efficiency. The attachment that accompanies this letter summarizes our comments and suggestions regarding those matters.

It should be noted that this letter, by its nature, is critical in that it contains only our comments and recommendations on deficiencies observed in the course of our audit. It does not include our observations on the many strong features of the Baxter State Park Authority's system of internal control.

We wish to express our appreciation for the courtesy and cooperation extended to us by the staff of the Baxter State Park Authority during the course of our audit.

Rodney L Scribner, CPA

State Auditor

May 4, 1993

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BAXTER STATE PARK AUTHORITY

RECOMMENDATIONS

For the Year Ended June 30, 1992

Internal Control can be Improved

Our review of internal control over revenue, expenditures, capital equipment and supplies inventory revealed a lack of segregation of duties. One clerk who prepares checks and records disbursements also performs the related bank account reconciliation. Another clerk who purchases supplies and capital equipment also maintains capital equipment and inventory records.

An adequate system of internal control would preclude the person recording disbursements from performing the related bank reconciliations. In addition, the person responsible for purchasing supplies would be precluded from performing the related recordkeeping responsibilities.

Recommendation:

In order to strengthen internal control we recommend the Authority either realign duties or perform additional management review over these functions.

Auditee Response:

We will review our job functions and will consider the realignment of duties.

Authority and State Records not Reconciled

No procedures are in place for reconciling the Authority's revenue to the State Controller's records. We compared revenue between the Authority and Controller's records and found that the Authority recorded \$10,456 more than that recorded by the Controller. The Baxter State Park Authority should ensure that recorded revenue agrees with the state accounting records.

Recommendation:

We recommend that the Baxter State Park Authority reconcile its revenue with that recorded by the State Controller.

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Auditee Response:

We will reconcile our records with the State Controller's records.

Inventory Record-keeping Procedures Needed

Baxter State Park Authority uses an automotive garage for maintaining vehicles and storing supplies. The automotive supplies are not adequately accounted for. Perpetual inventory records of supplies on hand are not maintained nor is a periodic physical inventory performed.

Recommendation:

We recommend that Baxter State Park Authority account for automotive supplies through the use of inventory records and by conducting periodic physical inventories.

Auditee Response:

We now have a software package and will implement its use to have automotive supplies on a perpetual basis prior to the 1993 fiscal year ending.