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# **BAXTER STATE PARK**

## **1988**

# **ANNUAL REPORT**



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1988

**Baxter State Park Authority:**

**James E. Tierney, Chairman**  
**Attorney General**

**William J. Vail, Commissioner**  
**Inland Fisheries and Wildlife**

**John H. Cashwell, Director**  
**Maine Forest Service**

**Compiled by: Irvin C. Caverly, Jr.**  
**Director**  
**Baxter State Park**



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A. DIRECTOR'S PROLOGUE



## PROLOGUE

During the 1950's and 60's, generally in the spring before our season started and then again in the fall, Governor Baxter would visit the Park and would meet with Park staff to talk about what could be done to better serve the Park and the people who visited it. He would frequently say to me, as a young Campground Ranger in those days, and other Rangers, "Are the people enjoying their Park?" This was always important to Governor Baxter. He wanted the Park to be maintained and operated in a manner that protected all of the resources so that those resources throughout the years would be available for public recreation. In reviewing our activities of 1988, I am pleased to report that we have met that objective. User stats demonstrated that the Park overnight facilities were consistently filled to capacity from mid June through mid September with frequent use of the Park facilities in early June, late September and until we closed in mid October. Winter use has been on the increase in recent years and more and more technical climbers, snowshoers, cross country skiers and winter campers are enjoying a wilderness experience between the months of December 1st and April 1st of each year. Day use continues to be a challenge for Park Managers because it is one area we do not have firm capacities and controls established. The Baxter Park Authority, Advisory Committee members, interested citizens and staff are working continually to come up with some better ways to manage and control day use with a minimum impact to the Maine citizen's right to visit and use Baxter State Park. I am confident that we will be able to arrive at a clear policy which will meet this objective. I don't expect it to happen quickly, and I expect it to happen in a series of phases; but long term, the results of this policy will be good for the resource and good for the experience of the BSP user.

During 1988 the Baxter Park Authority, the Baxter Park Advisory Committee and Maine citizens worked closely with staff in carrying out our mandate of preserving and protecting Baxter State Park. I had mentioned to you in my concluding remarks in the Report of 1987 that we had a number of challenges that we must consider in 1988, and I am happy to report now that we have made more than sufficient progress in accomplishing our objectives. I spoke of the challenge of trying to improve Park boundaries through clearing up land disputes (the Camp Phoenix area), remarking boundaries where budworm has destroyed the lines and better controlling access.

In reference to the latter first: We were able to implement a regulation change in 1988 which helped us assure that parties entering the Park are registered regardless of which entry point they enter. For example, under Regulation #6 Registration,



wording now is as follows: "All persons entering or leaving the Park by way of the Appalachian Trail will register at the Daicey Pond Campground. All persons entering the Park at locations other than the Perimeter Road or the Appalachian Trail must notify and register with Park Headquarters or Park gates in advance of their entry." In addition, under the same Regulation, we have added a provision worded with the following wording: "All boats and canoes left in Baxter State Park must be registered with Park Headquarters. All boats and canoes left in Baxter Park that are not registered with Park Headquarters will be considered abandoned and will be disposed of accordingly." Although we had some compliance with this section of the Regulation during 1988, we have some work to do to get 100% compliance, so this year we will be contacting boat owners emphasizing the importance and need for them to register. The revisions to Item #6 BSP Rules and Regulations have proved helpful during 1988, and certainly will be a strong point of control for Park administrations in the years to come.

The running and marking of our Park boundary was a high priority for 1988. As we have established a quota, we would like to run and mark 10 miles per year which basically means that every 10 years the BSP boundaries would be complete, and we would start again. However, I am pleased to report that in 1988 we accomplished running 27 miles, and it looks like we are going to be able to exceed our initial quota in 1989 based on activities to date. This means our goal of marking the total boundary will be stepped up some. We will still shoot for a 10-year renewal. Between forest fires, insect disease and activities outside of the Park, it is important that we maintain the line that was so effectively run and identified for us by the original survey crew in 1969 led by John Walker and John Hinkley. It's interesting to note that Park Ranger Tom Chase worked on that original survey. This is one more area where Ranger Chase's longevity is extremely beneficial to Baxter State Park. He has clear recollections of areas that sometime have to be studied a bit to be absolutely sure that we are on the survey line. We appreciate his interest, support and enthusiasm for this project.

Regarding the last issue under boundaries, which is land disputes, I am pleased to report that we are relatively close to having the Camp Phoenix boundary issue resolved. The parties have agreed on where the Park line should be, have agreed on the transfer of ownership of land between Baxter Park and the Daiseys. The attorneys are in the process of drafting up the wording now for the deeds which will be signed, hopefully, within a couple of weeks. The new boundary has been surveyed and laid out along with the latest map being complete. I am confident that I will be able to report to you at the start of 1990 that this issue, which has been ongoing since 1971, has been resolved. The Park owes a great deal of appreciation to the persistence of the Authority's Attorney Paul Stern for resolving this issue. He has worked long and hard, and we all appreciate his efforts very much.

I am pleased to report that the West Gate is now in operation. As you will recall, this is located at the Park boundary at Nesowadnehunk Lake and replaces the operation of our Telos Gate and our old Nesowadnehunk Field Gate. The new road construction from Nesowadnehunk Stream to Nesowadnehunk Lake on Park property was completed about mid June, and the operation of our Gate started at that time. Overall, it's worked out very very well. Resource Manager Jensen Bissell deserves a great deal of credit for laying out and constructing the road. The assistance that he received from Park personnel and DOT is very much appreciated. There have been some concerns regarding West Gate because the hours were not long enough to accommodate the needs of local fishermen. They had desired access much earlier than 8:00 A.M. in the morning, and certainly wanted to use the Gate beyond 8:00 P.M. at night. We are presently working with interested groups and citizens to resolve those issues through a cooperative agreement that can be implemented administratively.

Our renovations at Kidney Pond Camps during 1988 have been impressive. Much of our emphasis and many of our resources have been put on the project so that we can implement the plan in the various phases that were identified. Our thanks to the staff and the many volunteers who worked long and tireless hours, specifically, Lou LeBlanc, who unselfishly came to the scene and volunteered the entire summer in coordinating our renovation work. As you will note in the details of this Report, we're ahead of schedule. However, we will be opening only those 5 camps identified in Phase 1 in 1989, following with the opening of additional buildings in 1990. It is important that we don't overuse the area through our anxiety to provide accommodations. We will start slow and be sure that the impacts are minimal as we implement the operation of Kidney Pond Camps. Again, our thanks to the many people who have worked on this most worthwhile project.

Work at Togue Pond has also continued this year and staff, with the assistance of crews from the Maine Conservation Corps, were able to stabilize a lot of shoreline properties on the old campground part of our Togue Pond lease. The specifics are identified within the contents of the Report. Our thanks to Ken Spalding and the Department of Conservation for their support on this project.

You will note within the Report that the upgrading of Park facilities and equipment has been an ongoing process and one that we anticipate to continue. We are in pretty good shape now with our capital equipment such as radios, vehicles, snowsleds and one of our high priorities in the future, will be to upgrade our chainsaws and implement a rotating replacement program for them as well. Buildings are continually being jacked and repaired as is exemplified from the Productivity section of our Report.

Revision of the Baxter State Park Management Plan has been completed in 1988, reviewed by the Authority and now on the way to the printer for copying. Distribution should be by March of 1989. Rules and Regulations revisions were implemented in 1988 with minor changes. The same pertains to the Baxter State Park Standard Operating Procedures Manual. Much attention has been given to the Scientific Forest Management Area through the efforts of Resource Manager Jensen Bissell and his SFMA Advisory Committee. The Authority has supported proposals and, consequently, we have been able to complete the revision of the SFMA Management Plan as well as accomplish the construction of road work in 1988. We have been a long time in moving forward with the type of operation that Baxter Park deserves and which Governor Baxter expected, and I am grateful for the effort that has gone into this by all of those who have participated in the process.

In September of 1988 we filled the position of Park Naturalist with Jean Hoekwater of Brownfield, Maine. Jean has many areas of expertise, had worked with the Park a number of years ago under an internship and trained under the late Gerald Merry who was Park Naturalist at that time. During the period of time that she has been away from the Park, she has worked in many other areas of this country as well as Canada. Most recently, she has worked for the Appalachian Mountain Club in New Hampshire. I am extremely grateful that she has accepted the position, and with her background, expertise and enthusiasm, will do a fine job for BSP. She is a very positive person and has already made many contacts for the Park through speaking engagements and information/education at the State as well as communities level.


Business Manager Beth Gray and the administrative staff at Park Headquarters continue a very productive agenda. Each year reservation requests are on the increase. We experienced on January 3 of this year approximately 75 people who visited the office. Total incomes for the day exceeded \$47,000.00 via incoming mail (310 pieces) and over the counter receipts.

Chief Ranger Chris Drew, District Rangers Bob Howes and Barry MacArthur, Maintenance Supervisor Phil McGlaufflin and all staff deserve a great deal of thanks for the dedication and interest that they have put into their jobs and, more specifically, their special areas of expertise. As always, my sincere thanks to each of them and best wishes for a new year which will be as successful as 1988.

To the Baxter State Park Authority, the Baxter State Park Advisory Committees, Communication Committees, our volunteers and public at large, my sincerest thanks for your support, your input and for your commitment to this Park. Our success ratio depends on a cooperative effort of all of these people. If one ingredient or portion was missing, there would be an effect on our Park. Therefore, it is important that this interest and the

enthusiasm that has prevailed during the last 9 years continues. And now for the details of 1988. I hope you are pleased with the results and proud of the accomplishments, and that we will be even more determined to do an even better job of managing this most unique gift in 1989.

Thank you,

A handwritten signature in dark ink, appearing to read "Buzz", with a stylized, cursive-like flourish.

Buzz



B. OPERATIONAL REPORT BY CATEGORY

## I 1988 OPERATIONAL HIGHLIGHTS AND OVERVIEW

SOUTH DISTRICT  
NORTH DISTRICT  
MAINTENANCE DIVISION  
VOLUNTEER PROGRAM  
CHIEF RANGER

|                           |                          |
|---------------------------|--------------------------|
| Personnel contacts        | - 173,147 persons        |
| Total personnel hours     | - 44,072 hours           |
| Search & rescue incidents | - 24 incidents of record |
| Complaints answered       | - 324 complaints         |
| Meetings attended         | - 147 meetings of record |

The winter of 1987-88 left a good quantity of snow to permit and complete supply restocking of Chimney Pond and Russell Pond Campgrounds.

Park Rangers remarked and repainted 27 miles of the Baxter State Park boundary during the winter months of 1988.

Baxter State Park volunteers donated 10,963 hours of service in 1988. A complete report is contained in the Volunteer Section of this report on page 9.

The renovations of the Kidney Pond Camps was a major Park project in 1988. Six decaying cabins were removed and many repairs to remaining cabins were completed. More details on this project is found on page 22.

The construction of 2.7 miles of new Perimeter Road was completed around Nesowadnehunk Lake. This new road is now located inside Baxter State Park. The old road system was closed to through vehicle traffic. The Dept. of Transportation was very helpful to BSP in completing this major spring project.

The closing of the Nesowadnehunk and Telos gates was completed on July 18, 1988.

The opening of the new West Gate commenced on July 18, 1988. A Kidney Pond cabin was moved to the new West Gate and was renovated into a new gatehouse. A woodshed was also moved and renovated and a public toilet facility was installed at the West Gate in 1988. See page 22.

Baxter State Park suffered a drought in June. Two lightening strikes on June 21, 1988 caused forest fires in T6R10 and T6R9 in BSP. Outlying campsites in BSP were temporarily closed until forest conditions improved.

The former Togue Pond Campground had extensive landscaping renovations made in the old tentsite locations. See page 19.

The Maine Conservation Corp (MCC) of the Dept. of Conservation provided 5 months of service to Baxter State Park in 1988 at the Kidney Pond Camps, the Togue Pond Campground and Millinocket Headquarters.

The Student Conservation Association (SCA) provided 12 seasonal persons who worked on trail maintenance, Katahdin Mountain Patrol, and campground maintenance for a total of 3,917 hours.

Trail Crew Leader Lester Kenway did an excellent job in planning and implementing all trail maintenance projects. Lester also supervised a large volunteer program that donated 856 hours of trail maintenance. See pages 13.

A good report for search and rescue activities in BSP in 1988 . . no fatalities. This is a relief to the staff and public users. The most serious injuries were broken limbs. See page 31.

Bear problems were minimal in 1988. This is the third consecutive year of no major bear problems in BSP. This is a new Park record. The only animals removed in BSP and relocated were two nuisance beaver who worked hard to flood Park roads.

Baxter State Park was burdened by a major blowdown on November 11, 1988. The most damages were centered in the Katahdin Stream Campground, the Daicey Pond Campground, the Kidney Pond Campground and the Appalachian Trail. The Perimeter Road was cleared of many blowdowns.

The Maine Army National Guard Aviation Support Team (112th Medevac) was instrumental in hauling many supplies to Chimney Pond and Russell in the fall of 1988. This was a profitable training opportunity for the National Guard and a helpful service project for BSP.

Baxter State Park was chosen as the location for the re-introduction of caribou in Maine. Caribou will be released in BSP in 1989.

There were Peregrine Falcon sightings in BSP in 1988. However, no nesting pairs were located.

Park personnel were busy with many construction and repair projects in 1988, yet personnel were successful in preserving the resources of BSP. Public overuse in the Katahdin area of BSP was monitored with plans being made to help alleviate the situation in 1989.



## II PUBLIC RELATIONS

In 1988, Baxter State Park personnel made 173,147 contacts inside of Baxter State Park. Most contacts are with campers, hikers, wildlife enthusiasts, fishermen, camera buffs, snowmobilers, skiers, hunters and sightseers. Park personnel cordially related information on the campgrounds, trails, wildlife and natural history of the Park.

Baxter State Park Rangers participated in numerous speaking engagements in 1988. Such organizations requesting Park speakers included: 1) Boy Scout Troop 57 of Millinocket, 2) Caribou Snowmobile Club, 3) Houlton Rotary Club, 4) Oakfield Senior Citizens, 5) First Baptist Church of Houlton, 6) West Farmington Elks Lodge, 7) various Daicey Pond presentations, 8) various Boy Scout and Girl Scout Troops inside the Park, 9) Ohio Forester Organization, 10) Northern Timber Cruisers of Millinocket, 11) Patten Women's Club, 12) Sherman Mills Elementary School, 13) Linneus Snowsled Club and 14) a University of Maine Forestry class.

Camping groups in Baxter State Park had the opportunity to participate in campfire type programs by Park staff and Park volunteers at Katahdin Stream Campground, Chimney Pond Campground and the Daicey Pond Camps.

Public complaints centered on the unimproved road conditions inside of Baxter State Park. Access to outlying campsites was restricted due to dangerously dry fire hazard conditions. Black-flies and mosquitoes are also on the list of major complaints.

Compliments by far outnumbered complaints. Many compliments, both oral and written, centered on the Park's neatness and cleanliness. Staff helpfulness to the public was the emphasis of numerous written compliments.

## III SAFETY

Baxter State Park personnel were safety conscious in 1988. There were no major lost-time accidents or injuries involving Park employees. Safety orientated activities by Park staff included:

1. Safety logo stickers were distributed and placed in work areas and vehicles to frequently make employees aware of safety practices.
2. All fire equipment was checked and readied for fire fighting purposes.
3. All fire extinguishers were inspected and refilled as needed.

4. The eastern end of the Wassataquoik Stream Bridge was removed due to unsafe timbers.
5. The Abol Slide, a natural water slide in T3R9, was posted as unsafe due to frequent serious injuries to swimmers.
6. The purchase of 8 new gas refrigerators and 8 new gas stoves to replace ancient and dangerous propane appliances.
7. Six rapidly deteriorating cabins were removed at the Kidney Pond Camps.
8. The purchase of 4 wood stoves to replace old and deteriorating woodstoves.
9. Personal hygiene of Park staff was enhanced by the construction of an employee community shower at the Togue Pond lease.
10. The removal of all septic systems and plumbing at the Kidney Pond Camps enhanced the water quality of Kidney Pond.
11. Three metal-bestos type chimneys were installed in 3 Kidney Pond cabins to replace unsafe stove pipes.
12. Three major repairs on the following foot bridges:
  - a. Nesowadnehunk Stream footbridge near Daicey Pond.
  - b. Katahdin Falls footbridge on the Appalachian Trail.
  - c. Roaring Brook footbridge.
13. Installed smoke detecting alarms for employee housing inside Baxter State Park.

#### IV 1988 BAXTER STATE PARK VOLUNTEER PROGRAM

Baxter State Park Volunteer Coordinator John Howard has recorded the following Baxter State Park Volunteer statistics:

- A. 123 Volunteers donated a remarkable 10,963 hours of service to BSP.
- B. Areas of major Volunteer activity in 1988 were:
  1. Kidney Pond Campground renovations - 3,676 hrs.
  2. Trail maintenance - 2,127 hrs.

|                                |              |
|--------------------------------|--------------|
| 3. Webster Lake Ranger Station | - 1,490 hrs. |
| 4. Trout Brook Farm            | - 873 hrs.   |
| 5. Daicey Pond Campground      | - 649 hrs.   |
| 6. Park Headquarters           | - 647 hrs.   |
| 7. Misc. activities            | - 547 hrs.   |
| 8. So. Br. Pond Campground     | - 518 hrs.   |
| 9. Chimney Pond Campground     | - 436 hrs.   |
| Total                          | 10,963 hrs.  |

C. Special recognition is in order to:

1. Lou LeBlanc who labored and coordinated so effectively the Kidney Pond project.
2. Bennie and Verna Boyington who covered the Webster Lake Ranger station.
3. John Howard for coordinating the BSP Volunteer program.
4. The family members of Park staff who donate many hours of service.
5. Jane Thomas for numerous campground talks at Chimney Pond and Daicey Pond.
6. Homer King and Sue MacArthur for helping with statistics at Headquarters.
7. The Sierra Club for their labors on trail maintenance.
8. The "Volunteers for Peace" for the major labor efforts at Kidney Pond Camps and the Togue Pond Campground.
9. All the former Telos Gate Volunteers who have moved over to Kidney Pond, South Branch Pond, Trout Brook Farm and Daicey Pond.
10. All the Volunteers listed:

Ames, Robert F., Bucksport, ME  
 Beirne, John, Ipswich, MA  
 Bett, Glenna, Dinner, Middlesex, England  
 Bobotas, Stephen & Debbie, Laconia, NH  
 Boits, Steven, Antwerpen, Belgium  
 Boone, Mariam, Key West, FLA  
 Boyington, Bennie & Verna, Millinocket, ME  
 Bray, Richard P., Lisbon Falls, ME  
 Bray Richard P., Sr., Orland, ME  
 Buck, Laurie, Ithaca, NY  
 Bunch, Bonnie, Stony Brook, NY  
 Burnham, Robert & Jean, Hebron, ME  
 Burwell, Charles S., Dixmont, ME  
 Buttler, Ruth E., Brewerton, NY  
 Caputo, Joe & Cloe, Gardiner, ME  
 Carson, Isabel, Woodsville, NH  
 Caton, Stan & Nancy, Bath, ME  
 Chase, Alma, Patten, ME  
 Chase, Linda, Patten, ME  
 Chase, Todd, Patten, ME  
 Cheney, Bernard, Machias, ME  
 Clarkson, Brenda C., Moretown, VT

Crabtree, Alice, Monson, ME  
 Dubois, Emile & Dorothy, Dexter, ME  
 Edwards, Benjamin, Machias, ME  
 Gondek, John, Tyringham, MA  
 Goode, Loren C. Jr., Patten, ME  
 Goode, Regina, Patten, ME  
 Grajewski, Bernd, Brey, West Germany  
 Hamer, Laura, Bangor, ME  
 Hanscom, Roland & Margaret, Orrington, ME  
 Hassler, Jack & Velma, Harrisburg, PA  
 Hatch, Joseph, Wilmington, DE  
 Heath, Adair, Garvin & Tim, Portland, ME  
 Howard, Alan, Matthew, & Joshua, Newtown, PA  
 Howard, John & Betty, Orrington, ME  
 Howard, Tom, Meredith, NH  
 Jackel, Molly, New York, NY  
 Jackson, David, West Hartford, CT  
 Jackson, Stephen, Dover-Foxcroft, ME  
 Jenny, Andre, Smyrna, GA  
 Johnson, Julie, Millinocket, ME  
 Jordan, Jack & Rachel, Sparta, WISC  
 Julie, Josue, Betz, France  
 Kaus, Toni, Jamaica Plain, MA  
 Kelly, Fr. Edward, Woonsocket, RI  
 King, Homer, Millinocket, ME  
 Kok, Marianne, Amsterdam, Netherlands  
 Kuhn, Jacqueline, Mayer, AZ  
 Leavitt, Dana & Barbara, St. Albans, ME  
 LeBlanc, Lou, Woonsocket, RI  
 Libby, Dan & Margaret, Jason; Josh & Mike Hussey,  
 Greene, ME  
 Lobdell, Ron & Jean, Ron Jr., Dean, Bath, ME  
 MacArthur, Sue, Millinocket, ME  
 MacArthur, Ava, Jason, Jeremy, Alisa, Patten, ME  
 McNelly, Harold and Charlotte Lowell, Island Falls, ME  
 Maier, Jurgen, Freiburg, West Germany  
 Mingus, John & Judy, Germantown, MD  
 Musella, Glenn, Union, ME  
 Muller-Schwanneke, Carsten, Dusseldorf, West Germany  
 Nease, Mary Ann, Clearwater, FLA  
 Nicholazzo, Paul & Barbara, Greenville, ME  
 Oliver, Skip & Donna, Hillsboro, NH  
 Peabody, Carol, Princeton Junc., NJ  
 Rathburn, Richard & Carol, Bristol, CT  
 Reagan, Robert, Bethlehem, PA  
 Schedelbauer, Catherine, Nanois, France  
 Shoesmith, Thomas & Godric, New York, NY  
 Shore, Susan, Hinesburg, VT  
 Shuman, Jay, Lynfield, MA  
 Slater, Kevin, Bethel, ME  
 Smith, Marie, Patten, ME  
 Straka, Miroslav, Nedozy, Czechoslovakia  
 Tetreault, Barbara, Putnam, CT  
 Thomas, Jane, Surry, ME

Trautman, Frank, H., Islesboro, ME  
Walyland, Matt, Maryville, MD  
Watson, Joanna, London, England  
Weatherby, Crystie, Albany, NY  
Whitcomb, Scott, Thornton, CO  
Wieder, Marjorie, Bethlehem, PA  
Wilson, Robin, Willseville, NY  
Wilkinson, Mark, Essex, England  
Wright, Bonnie, Brewer, ME  
Zaremba, Peter & Susan, York Harbor, ME  
Zimmerman, Nancy, Trenton, NJ

Total Number of Volunteers: 123  
Total Hours Contributed: 10,963

#### V NEW CONSTRUCTION

##### SOUTH DISTRICT

1. Constructed and installed a water tower, holding tank and heating system for the Togue Pond complex.
2. Built and installed a new gate at West Gate. The concrete base contains 12 yards of cement.
3. Reconstruction of the Tamarack St. residence to a supply warehouse and economy apartment for the Park Director.
4. Construction and completion of 2.7 miles of new Perimeter Road around Nesowadnehunk Lake.
5. Remodeling - refinishing of the reservation office at Park Headquarters.
6. Built 16 picnic tables.
7. Construction of 4 new large toilets - 3 toilets at Kidney Pond, 1 toilet at the new West Gate.
8. Installation of 3 toilet vaults at Abol Campground.
9. Site preparation for new Park Ranger living quarters near Kidney Pond.

##### NORTH DISTRICT

1. Completing the Trout Brook Farm bunkhouse.

2. Topped off the chimneys of the Trout Brook Farm crew camp.
3. Built new toilet at Russell Pond.
4. Built new shelves and book shelves at South Branch Pond Ranger quarters.
5. Constructed a new tool rack at the South Branch Pond workshop.
6. Constructed 2 large toilets - 1 at Matagamon landing.  
1 at So. Br. Pond parking lot.

## VI MAINTENANCE

Baxter State Park continues to put high emphasis on the maintenance of Park facilities and equipment. Maintenance and repair projects by division and work location include:

### SOUTH DISTRICT

#### BAXTER STATE PARK TRAIL MAINTENANCE REPORT

March 28, 1988 to October 6, 1988

STATS      TRAIL CREW LEADER - LESTER KENWAY  
Assistant Trail Crew Leader - Gary Stillman

|                  |            |
|------------------|------------|
| Field Work       | 743 hours  |
| Office           | 161        |
| Support Services | <u>133</u> |
| Total            | 1,037      |

|                        |       |
|------------------------|-------|
| Foot Patrol (Miles)    | 291.7 |
| Vehicle Travel (Miles) | 3,532 |
| Meetings Attended      | 1     |

|      |                                     |
|------|-------------------------------------|
| 54   | Miles of trail inspected            |
| 110  | Miles of trail cleared of blowdowns |
| 29   | Miles of trail brushed out          |
| 13.2 | Miles of trail blazed               |
| 6    | Treadway projects                   |
| 7    | Bridge projects                     |

|                                       |                  |            |
|---------------------------------------|------------------|------------|
| Total crew hours spend on Trail Work: | Leader           | 468        |
|                                       | Asst. Leader     | 388        |
|                                       | SCA*             | 2,326      |
|                                       | Other Volunteers | <u>856</u> |
|                                       | Total            | 4,038      |

\*Student Conservation Association contributed a total of 3,917 hours in the Park program this year.

### SIGNS

About 24 signs were built during the month of April for replacing incorrect or bear-damaged signs on the trails.

About 50 signs were built for other locations in the Park. Several of these were large signs and required a lot of time to build.

### TRAILS INSPECTED DURING THE PAST SEASON:

- Freezeout Trail (in part)
- Webster Lake TRail
- South Branch Mountain (in part)
- Northwest Basin Trail
- Russell Pond Trail
- Wassataquoik Stream Trail
- Chimney Pond Trail
- North Basin Cut-Off
- Saddle Trail
- Hunt Trail (in part)
- Cathedral (in part)
- Cathedral Cut-Off
- Baxter Peak Cut-Off
- Knife Edge
- Dudley Trail
- Rocky Pond Trail
- Draper Pond Trail
- Celia & Jackson Ponds Trail
- Appalachian Trail (in part)
- Lost Pond Trail
- Grassy Pond Trail
- South Turner Mountain Trail
- Sandy Stream Pond Trail

### TRAILS CLEARED OF BLOWDOWN

Freezeout Trail

Webster Lake Trail  
Trout Brook Mountain Trail  
Littlefield Pond Trail  
Round Pond Trail  
High & Long Pond Trail  
Lower Fowler Pond Trail  
Fowler Brook Trail  
Middle Fowler Pond Trail  
Ledges Trail  
Howe Brook Trail  
South Branch Mountain Trail  
Pogy Notch Trail (Trail Crew & Curran)  
Wassataquoik Lake Trail (in part by Curran)  
Russell Pond Trail  
Wassataquoik Stream Trail  
Sandy Stream Pond Trail  
Northwest Basin Trail (Curran)  
North Basin Trail  
North Basin Cut-Off  
Abol Trail  
Hunt Trail (Neff-Matc)  
Appalachian Trail (Trautmann-matc)  
Doubletop Mountain Trail  
Marston Trail  
Mt. Coe Trail  
OJI Link  
North Slide OJI Trail  
South Slide OJI Trail  
Lost Pond Trail  
Owl Trail

TRAILS CLEARED OF BRUSH:

Russell Pond Trail (in part)  
Marston Trail (in part)  
Mt. Coe Trail (in part).  
OJI Link  
North Doubletop Trail  
Pamola Caves Trail  
North Traveler Trail  
Horse Mountain Trail  
Middle Fowler Pond Trail (in part)  
Barrell Ridge Trail  
South Branch Mountain  
Webster Lake Trail (in part)  
Kidney Pond Outlet Trail  
Abol Trail  
Howe Brook Trail  
Freezeout Trail (in part)



### TRAILS BLAZED:

Daicey Pond Nature Trail  
Lost Pond Trail  
Draper Pond Trail  
Rocky Pond Trail  
Celia and Jackson Ponds Trails  
South Branch Mountain Trail (in part)  
Webster Lake Trail

### TREADWAY PROJECTS:

- Chimney Pond Trail - we reconstructed a 500' portion of this trail approximately 1/4 mile below half-way rock. The trail was extensively damaged by erosion. 28 rock steps and 2 rock waterbars were built.
- Saddle Trail - two steep eroded pitches were repaired a short way below the Saddle Brook Crossing. 42 rock steps and 1 rock waterbar were placed in the trail. We also did routine waterbar cleaning and scree wall maintenance on the tableland portion of this trail.
- Hunt Trail - we continued erosion control work and stabilized tundra areas on this trail; during the past season a quarter of a mile section was lined with stones to control wandering. We also built 41 rock steps and 4 rock waterbars. There remains slightly more than a quarter mile of the trail approaching Baxter Peak that needs repairs. Much of it is extremely eroded and trampled over a wide area. We hope to complete the reconstruction of this trail in 1989. We will need an above average amount of good weather in order to have enough days on the mountain to complete this work.
- Chimney Pond Campground - we repaired two sections of badly washed trail in the campground vicinity. Gravel was spread on a 50' section of the saddle trail, and also on a 100' section of the Chimney Pond Trail.
- Northwest Basin Trail - we completed reconstruction of a severely eroded portion of this trail. 200' of drainage ditch was dug and lined with rock, and 3 rock waterbars were built. Sierra Club volunteers helped do most of the work. Additional drainage work needs to be done at various locations along the trail.

### BRIDGE PROJECTS:

- Sandy Stream Pond Trail - a 40' section of bog bridge was built on the back side of the pond.

- Russell Pond Trail - 20' of bog bridge was built near the crossing of Sandy Stream.
- Sentinel Trail - extensive repairs were made to the bridge over Nesowadnehunk Stream.
  1. The pier on the north bank was jacked up and leveled.
  2. A wire rope truss was installed to lift the center of the span and correct an unsafe lean.
  3. About 1/3 of the deck logs were replaced. We need to replace more deck logs in 1989 and install foot rails.
- Freezeout Trail - 440' of bog bridge was built at 3 locations east of Webster Stream lean-to. Sierra Club helped with this project.
- Grassy Pond Trail - we began construction of a bridge over Katahdin Stream below the outlet of Grassy Pond. The trail will be re-routed to the new crossing location. We completed 1 of 2 piers that will be needed to span the stream. Stringers have been cut and pieced, as well as most of the deck pieces. We will complete the bridge next season.
- Hunt Trail - we made extensive repairs to the bridge over Katahdin Falls.
  1. Splinted broken stringer
  2. Installed wire rope truss
  3. Replaced 1/2 of deck logs
  4. Added 1 large footrail - bolted to stringer for strength.

We will need to replace more deck logs and add 1 more footrail in 1989.
- Russell Pond Trail - we made repairs to the bridge over Roaring Brook, replacing rotten treadlogs, braces, footrails, and handrails.

Brendan Curran removed the north span of the Big Wassataquoik Bridge this fall. We will improve the ford and do maintenance on the south span next season.

#### SUMMARY:

The trail crew had a productive summer. With few exceptions we had a very pleasant group of SCA volunteers who worked hard and completed a lot of projects. Gary Stillman did a good job as assistant leader. We were fortunate to have him with us again. Major Accomplishments for the summer include: repair of 4 major bridges, construction of 500' of bog bridge, construction of 1/4 mile of double scree wall on the Hunt Trail, placement of 111 rock steps and 10 waterbars on various Park trails.

Next year's projects will include:

- Routine blowdown removal on about 100 miles of trail
- Brushing out overgrown trails
- Repairs to many bridges - Sentinel, Katahdin Falls, Tracy Pond, Elbow Pond and Wassataquoik Stream
- Completion of the Grassy Pond Bridge and construction/repair of 1200' of bog bridge
- Scree walls, steps and waterbar on the last 1/4 mile of the Hunt Trail
- Blazing all remaining trails in the Kidney Pond area and renewing all signs.

I look forward to another productive and enjoyable trail season next year.

CHIMNEY POND (CR-Esther Hendrickson, ACR-Peter Duff, Act. Cap.)

1. Scraped and stained nine lean-tos.
2. Scraped and painted inside of bunkhouse, bunks, benches, floors, ceilings.
3. Scraped and painted office floor, inside and outside of double and single toilet outhouses.
4. Stained office porch.
5. Shoveled outhouses.
6. Installed new door knob assembly on bunkhouse and crew-camp doors.
7. Installed new stove in bunkhouse and replaced stovepipe.
8. Replaced torn off shingles on bunkhouse and crewcamp.
9. Renailed and tarred shingles on main camp roof as needed.
10. Replaced interior of main camp woodstove.
11. Replaced sections of waterline.
12. Shingled shop and office porch roofs.
13. Replaced trim on eight windows on main camp.
14. Board and batten on main camp.
15. Cleared blowdown off trails.
16. Caulked around windows as needed.
17. Repaired sagging ceiling in main camp, painted living room ceiling.
18. Replaced screen in main camp.
19. Cleaned and blacked stoves.
20. Stacked wood on porch.
21. Cleaned and oiled windows.
22. Weather stripped windows.
23. Routine opening and closing of campground.
  - hooking up and draining of waterline.
  - taking off and installation of storm shutters.

ROARING BROOK (CR-Greg Hamer, ACR-Robert Hawkins)

1. Stained several picnic tables.
2. Stained floors on decks of ten lean-tos.
3. Stained porch and front steps to Ranger Station.
4. Sorted out requisitions and put away.
5. Levelled picnic shelter at Rum Brook.
6. Replaced chewed boards on outhouses and leveled at Rum Brook.
7. Sized up supply needs to remodel bathroom and improve bunkhouse.
8. Blacked stoves in Ranger Station and crewcamp.
9. Cleaned all drainage ditches.
10. Cut blowdowns in campground and along road.
11. Repaired screens in bunkhouse, Ranger Camp, outhouses as needed.
12. Split firewood.
13. Repaired glass in bulletin board.
14. Stained day-use shelters.
15. Stained outhouse at Roaring Brook, Avalanche and Rum Brook.
16. Stained lean-tos at Avalanche Field.
17. Cut seven cord of firewood.
18. Graded parking lot and campground roads.
19. Stained garage.
20. Cut blowdowns along Nature Trail.
21. Mowed lawns at Roaring Brook, Avalanche and Rum Brook.
22. Worked on tractor winch.
23. Hauled several empty propane tanks to Millinocket.
24. Replaced three fire rings.
25. Replaced broken windows in bunkhouse.
26. Built new storm windows.
27. Routine opening and closing of campground.
28. Bathroom at Ranger's camp refinished.
29. Bunkhouse interior rewalled with chipboard.

TOGUE POND (CR-Steve Tetreault)

1. Completed construction of Togue shower tower.
2. Limed and fertilized all newly grassed areas.
3. Transplanted, watered 75 red and white pine seedlings to Togue Beach.
4. Replaning and rehanging of outhouse doors.
5. Spring cleanup of brush.
6. Batten boarded around several trees and covered roots with mulch and soil.
7. Stained signs, skylights and two camps.
8. Peeled large load of cedar logs.
9. Hauled cedar bark and debris to dump.
10. Dug trench to replace broken drainage pipe from block building.
11. Lettered signs.
12. Built housing for water pump.

13. Worked with Volunteers for Peace on soil stabilization on Togue Pond Point - building crib, hauling and placing rocks, bark and loam.
14. Cleaned and scrubbed gravity feed shower tank.
15. Mowed lawns in Togue Pond area.
16. Steel brushed, primed and painted shower tank.
17. Cut and split firewood for shower stove.
18. Steve Tetreault spent considerable time covering Roaring Brook, Chimney Pond and Abol Campground. Steve also spent time hauling gravel to Abol Scout Area, Abol, Kidney Pond and West Gate areas. Steve Dismantled all but one sink and toilet at Kidney Pond.
19. Started remodeling the interior of Trapper cabin. Shingled gable and installed new windows.

#### ABOL (CR-Brian Johnston)

1. Routine opening and closing of campground.
  - a. water system
  - b. picnic tables
  - c. cleaning of sites of leaves, debris, etc.
2. Assisted Maintenance Ranger with jacking, blocking and leveling of crew camp.
3. Tore out old bumper logs and replaced with rocks around garage and camp.
4. Leveled and raked 9 sandpiles around tent and lean-to sites.
5. Spread and leveled load of rocks on bank of brook by Lean-to #9.
6. Cut and cleared blowdowns in campground and along perimeter road.
7. Cleaned waterbars in campground.
8. Mowing of lawns.
9. Installed several new signs and posts.
10. Picked up 90 bags of calcium and spread it at Togue Gate, Beach areas, Abol, Katahdin Stream and Foster Field areas.
11. Cut and peeled tree for bridge repairs at Katahdin Falls.
12. Installed new hook and eyes on outhouses at Abol and Abol Beach.
13. Replaced roof boards and shingled Lean-to #5.
14. Routinely rotated radio batteries at Daicey and Kidney Ponds.
15. Replaced rotten boards and shingled picnic shelter at Abol Beach.
16. Stained outside and painted inside of toilets at Abol Slide.
17. Built 4 log fireplace cribs for tent sites.
18. Installed log crib, hauled 1 load of sand in Side #11.
19. Reconstructed Sites 3, 4, 9-12, leveled and built cribs.
20. Dug and leveled three holes for new vault toilets.

21. Filled in around toilet vaults.
22. Stained several picnic tables.
23. Cut, piled firewood and kindling.
24. Installed skylight in crew camp.
25. Rebuilt underpinning of the crew camp.
26. Built new steps for the crew camp.

#### KATAHDIN STREAM (CR-Joel Drew, ACR-Russ Rytlewski)

1. Routine opening and closing of campground.
  - a. Hooking up and draining
  - b. picnic tables
  - c. leaves and debris
2. Planted pine trees between Sites 18 and 19.
3. Hauled and spread sand in Sites 18, 20, 22, 23.
4. Stained picnic tables and shelters, several lean-tos.
5. Repaired broken water pipe and faucet in highway camp.
6. Painted bunks and floor in bunkhouse.
7. Planted two dogwood bushes in parking lot by Governor Monument.
8. Cleaned leaves and brush from pond.
9. Cut up blowdowns along perimeter road.
10. Leveled sand and graded day-use parking lot.
11. Cleaned and tested fire equipment.
12. Installed fire alarms in all living quarters.
13. Stained bridge.
14. Replaced seats on outhouses as needed.
15. Replaced steps in front of women's outhouse.
16. Installed new grates on four fireplaces.
17. Assisted trail crew repairing bridge at Katahdin Falls.
18. Cut brush from around signs along perimeter road.
19. Resurfaced Sites 3 and 4 at Foster Field.
20. Mowed lawns.
21. Replaced dumpster at Foster Field.
22. Repaired and stained steps on tool shed.
23. Repaired outhouse after tree fell on it at Foster Field.
24. Replaced rotten planks in bridge.
25. Cleaned and repaired backpack tanks.
26. Replaced steps in front of Lean-to #12 to water source.
27. Shingled roof on Ranger Station.
28. Installed two bumper logs.
29. Cleared trees around base of Foster Field Dump.
30. Cleaned garage and sorted lumber.
31. Cut, split and filled woodshed with firewood.

#### NESOWADNEHUNK FIELD (CR-Joe Cushman, ACR-Mike Smith)

1. Routine opening and closing of campground.
  - a. hooking up and draining of waterlines
  - b. cleaning of leaves and debris
2. Cutting, split firewood.

3. Cutting of bushes in front of crew camp and two lean-tos.
4. Mowing of lawns.
5. Disassembling of temporary bridge supports.
6. Cutting of blowdowns in campground and along perimeter road.
7. Repairs to outhouse doors, screens.
8. Staining and lettering of numerous signs to be used throughout the District.
9. Staining of several picnic tables.
10. Assisted with construction and repairs to new West Gate.
11. Installed new signs at Nesowadnehunk Field.

KIDNEY POND (Caretaker-Lou LeBlanc)

1. Six buildings completely torn down, cleaned up and hauled away.
2. Lawn mowed several times.
3. Sill logs on all buildings dug out for ventilation.
4. Rocks installed as perimeter boundary parking lot Area B.
5. Interiors of add-ons Sentinel and Doubletop completely refinished.
6. Propane tank pads constructed and installed at each building.
7. Five cabins for use in 1989 stained and trim painted.
8. Three cabins reshingled.
9. Three cabins new metal-bestos chimneys installed.
10. Two cabins have new porches.
11. Three cabins had porches painted.
12. Five rear-door roof overhands installed.
13. Five flat rocks installed as rear entrance steps.
14. Stoves in all buildings blackened.
15. Stovepipes inspected and replaced as needed.
16. Old dump cleared up.
17. Six new gaslights installed.
18. Old septic systems dug out and holes filled.
19. Workshop cleaned out and several loads of junk hauled and buried.
20. All electrical line, poles, transformers, etc., dismantled.
21. Well crib installed for water purposes.
22. Reassembled floating dock for pond.
23. Paddles sanded and painted.
24. Add-ons removed from ten buildings.
25. Installed handpump on newly covered spring for drinking purposes.
26. Stained large double vault toilets.

#### WEST GATE (GA-Harry Shean, Ted Hanson)

1. Buildings relocated from Kidney Pond to serve as gate-house and woodshed.
2. Buildings jacked, leveled new sills, roof, shingles, trim, porch, doors, two new skylights.
3. Area landscaped lawn seeded, mulched.
4. New flagpole installed.
5. Firewood and kindling cut, split and put in woodshed.
6. Buildings stained, trim painted.
7. Signs and post painted and installed around gate area.
8. Routine maintenance of gate, toilet, etc.
9. Chinked between logs.
10. Trimmed trees and brush out around area.
11. Installed new radio antenna system.
12. Spread calcium on road.
13. Built shelves.
14. Painted gates.
15. Installed meta-bestic chimney and woodstove.
16. Installed gaslights and stove hookup.

#### DAICEY POND (Caretakers- Linda Ives, Latona Torrey)

1. Routine opening and closing of cabins, library, water-lines, etc.
2. Cut up blowdowns in campground and on Daicey Pond road.
3. Repaired screens and windows.
4. Painted and put up signs.
5. Cleared trails around local area.
6. Finished repairs on Cabin #4 two new windows, trim, etc.
7. Tore out foot bridge over outlet.
8. Repaired and rebuilt Cabin #2 - new porch, roof shingled, new window, etc.
9. Installed canoe racks and poured cement.
10. Built screen room in shop for storage of fire equipment and paper products.
11. Built steps for library.
12. Hauled and spread gravel on paths throughout campground.

#### MISCELLANEOUS MAINTENANCE PROJECTS

1. Picked up truck load of cedar shingles in Island Falls.
2. Routine washing and waxing of trucks.
3. Marking of tools for various locations.
4. Hauled three loads of lumber, timbers, logs, etc., from West Gate after completion of project.
5. Maintenance Ranger Albert Rickards spent time designing Trout Brook's new camp, kitchen cabinets and new apartment plans in Director house.
6. Changeover of new vehicles involved radios, blue



- lights, sirens, racks toolboxes, etc.
7. Cutting of 40 cords of firewood, hauling, splitting and piling.
  8. Routine litter patrol.
  9. Cleaning and storing of sleds.
  10. Routine service and maintenance, repairs to vehicles, lawnmowers, chainsaws, firepumps, generators, snow-sleds, etc.
  11. Putting up and taking down of seasonal signs.
  12. Plowing of road to Togue Pond in spring breakup.
  13. Daily cleaning of facilities.
  14. Shoveling of outhouses.
  15. Assisted honeywagon on pumpout of septic and toilet facilities.
  16. Routine service-maintenance of eleven solar-battery systems.
  17. Tore down and hauled off three decaying cabins at Togue Pond camps and burned at Caribou Pit.
  18. Routine covering of winter parties and transportation of volunteers to and from Chimney Pond.
  19. Hauling of wood, propane, requisitions from Roaring Brook to Chimney Pond and boxes of old shingles to Roaring Brook.
  20. Routine winter trail work shoveling, packing, grooming of trails.
  21. Considerable time was spent marking and painting boundary lines, primary Eastern and Southern lines.
  22. Shoveled buildings as needed.
  23. Routine patrolling of District and checking of skiers, snowsleders, campers, etc.
  24. Assisted in jacking and moving State Police radio building in Patten.
  25. Assisted trail crew with repairs on foot bridge at Daicey Pond.
  26. Hauled supplies throughout District to construction sites.
  27. Destroyed old DOT storage building at Caribou Pit.
  28. Rebuilt three old dumpsters and built two new ones.
  29. Destroyed old outhouse at Ledge Falls.
  30. Assisted in moving of desks, files in rebuilt office.
  31. Built ski carrier for 50 sled - ski tote sled - snow roller.
  32. Built and installed stove dryer at Chimney Pond.
  33. Moved disabled refrigerator from District Ranger camp and replaced with one from Togue Pond Camps.
  34. Replaced steel floors in three small 1 ton dump trucks.
  35. Built racks for trucks.
  36. Repaired tri-axle low bed - removed front axle built spring hangers.
  37. Hauled rocks and blocked off old road entrances near new road.
  38. Fifteen loads of bark hauled from GNP bark pile to Togue Pond.
  39. Completely buried Foster Field Dump twice - debris

- from Kidney Pond.
40. Repaired, straightened, welded damaged gates at Nesowadnehunk Field.
  41. Assisted in preparing for auction at Kidney Pond - loading of goods sold, etc.
  42. Jacked, blocked and readied five camps at Kidney Pond to be moved on the ice at Kidney Pond.
  43. Prepared materials, wood, lumber, requisitions to be flown from Caribou Pit to Chimney Pond and Russell Ponds.
  44. Clearing of road systems from fall blowdown - seven loads of logs, cut and hauled from Kidney & Daicey Pond roads - considerable time spend on this project with a lot left to be done.
  45. Repaired broken hinges on dump truck 74.
  46. Moved two dumpsters from Park to Millinocket to be worked on this winter-spring.
  47. Hauled and stored six stoves in block building.
  48. Drew up various plans for Togue Pond Gate (rotary and moving of Ranger camp, ticket for day-use purposes.)
  49. Assisted Maintenance Division with plowing of headquarters and support services.
  50. Routine firing of stoves at Park Ranger camps and garage stove and duty officer coverage, checking headquarters and garage.
  51. Assisted State Police with Patten repeater repairs.
  52. Assisted Maintenance Division with servicing and repairing of Cat 966.
  53. Installation of 8 mobile radios in Park vehicles.
  54. Built mail box for Chief Ranger office.
  55. Built water funnel for water line.
  56. Built 9 steel-rim fireplaces.

MILLINOCKET MAINTENANCE DIVISION - (Philip McGlaufflin - Maintenance Supervisor, Timothy Sides - Park Mechanic)

A. Major maintenance projects.

1. Remodeling and rewiring of the Reservation Office at Part Headquarters.
2. Relocated the radio repeater building to the BSP lot in Patten, Maine. The project included the hauling of gravel, pouring a cement slab, remodeling, rewiring, and the removal of the old building off the former lot.
3. Installation of the shower, wood fired water system and water pump at the former Togue Pond Campground.
4. Repair of the sewer system at Togue Pond.
5. Assisted in installation of the new West Gate.
6. Hauled numerous yards of bark for mulch from Millinocket to Togue Pond.
7. Installation of a mail box platform at Millinocket Headquarters.
8. Removal of septic systems at the Kidney Pond Camps.

9. Partial construction of new parking lots at Kidney Pond Camps.
10. Grounds preparation for Park Rangers quarters near Kidney Pond.
11. Installation of outside lighting at Park Headquarters.
12. Installation of inside lighting at the warehouse garage.
13. Excavation and removal of the old Kidney Pond Camps.
14. Assisted the asbestos removal team in the asbestos removal project at Kidney Pond.
15. Assisted the retrofitting of the Headquarters heating system.
16. Assisted in the installation of 5 mobile radios in Park vehicles.
17. Painted 5 dumpsters.

B. Maintenance planning and research projects.

1. Prepare amendment application to LURC for the Togue Pond project.
2. Completed building inventory at Russell Pond.
3. Assisted in planning process of warehouse/carpenter work places.
4. Completed the gasoline tank removal and replacement schedule.
5. Researched and finalized motor vehicle specifications for BSP vehicles.
6. Made winter inspections of trails and facilities at Trout Brook Farm, Daicey Pond, Russell Pond and South Branch Pond Campground.

C. Vehicle and equipment repair information.

|                                   |        |
|-----------------------------------|--------|
| Battery Replacements/recharges    | No. 4  |
| Body Repairs/Painting             | No. 10 |
| Brake Repairs                     | No. 12 |
| Chain Saw Repairs                 | No. 25 |
| Clutch Repairs                    | No. 2  |
| Electrical Repairs                | No. 26 |
| Exhaust System Repairs            | No. 10 |
| Front End Repairs                 | No. 8  |
| Motor Repairs 1985 Blazer)        | No. 1  |
| New Tires installed               | No. 17 |
| Outboard Repairs                  | No. 1  |
| Rear End Repairs                  | No. 3  |
| Road calls for Park Equipment     | No. 2  |
| Snowsled Repairs                  | No. 2  |
| State Vehicle Inspections         | No. 24 |
| Tires Repaired                    | No. 17 |
| Tune ups                          | No. 8  |
| Universal Joint Repairs           | No. 5  |
| Vehicles Serviced (grease, oil)   | No. 97 |
| Window Replacements               | No. 2  |
| Pressure Washing of Park Vehicles | No. 49 |

## NORTH DISTRICT

### A. Russell Pond (CR-Brendan Curran, ACR-Scott Fisher)

1. Regular spring maintenance of lean-tos, privies and buildings.
2. Cleaned up winter debris around campground area.
3. Stained pumpbox, painted pump and set out in campground.
4. Cut blowdowns from trails in surrounding areas.
5. Peeled spruce logs for outhouse building material.
6. Stained/painted signs.
7. Sanded and polyurethaned the main camp/office floors.
8. Painted bunkhouse floor and front porch.
9. Jacked up lean-to #3, replaced sills, deacon seat and leveled.
10. Replaced one joist support (log) on lean-to #3, leveled floor.
11. Stained lean-to #3.
12. Replaced water supply line to main camp.
13. Made up new shower system for main camp.
14. Hauled sand and gravel to main dock for fill.
15. Rebuilt canoe rack at main dock.
16. Opened up Wass. Lake Island after canoes flown in.
17. Checked fire equipment.
18. Painted floor of crew camp.
19. Varnished old canoe paddles.
20. Painted trail blazes in bog area near Little Wass. Lake.
21. Washed and scraped windows and replaced screens in bunkhouse.
22. Varnished tables and benches in bunkhouse.
23. Cut up blowdowns and split to sell for firewood.
24. Rebuilt and stained side porch on main camp.
25. Put post under Wass. Stream bridge and cut down A-frame truss system.
26. Built new bench for bunkhouse.
27. Laid new floor in lean-to #3.
28. Made and installed new weather report box.
29. Repairs to ankle knocker bridge.
30. Regular maintenance of outlying sites.
31. Repaired canoe seat at Deep Pd. canoe.
32. Removed bee's nests from bridges and various campground sites.
33. Stained main camp and painted trim.
34. Repairs to bridge over Turner Brook near confluence with Wass. Stream.
35. Stained new privy.
36. Varnished chairs in bunkhouse.
37. Replaced old seat cushions at canoe rack.
38. Replaced screening on crew camp.
39. Repairs to campground pack weigh - in stations.
40. Kept helipad brushed out.
41. Painted "kitchen" walls in bunkhouse.

42. Reblazed and brushed out sections of North Peaks Trail, NW Basin Lake Trail and Stream Trail.
43. Shoveled out fire pits in campground.
44. Painted ceiling in crew camp.
45. Hauled gravel to wet areas of campground paths and used as fill.
46. Cut down rotten span of Wass. Stream bridge.
47. Built log steps down off cribbing from remainder of bridge.
48. Took capital items inventory.
49. Burned accumulated burnable trash.
50. Installed new "old mill" stove in bunkhouse, installed stovepipe.
51. Stacked firewood in woodshed.
52. Completed requisitions for 1989 season.
53. Drained and stored fire equipment.
54. Shoveled out privies.
55. Stored empty LP cylinders and closed up for winter.

B. South Branch (CR-Keith Smith, ACR-Jonathan Milne)

1. Opened campground for season.
2. Painted bunkhouse floor, outhouse in interiors, office floor, porch floor.
3. Cleaned road of limbs, trees and debris.
4. Cut and peeled spruce logs for repair projects.
5. Repaired fence in South Branch Pond Campground.
6. Cut, split and stacked firewood.
7. Repaired plumbing of Ranger station.
8. Readied new canoes - painted letters and stickers on watercraft.
9. Had loam hauled in and spread in day use area.
10. Stained docks.
11. Color coded new tools.
12. Got fire equipment ready for use.
13. Stained sign posts - replaced ones as necessary.
14. Hung out new signs.
15. Began rebuilding rock-walkway at outlet.
16. Spread loam in picnic area and seeded down.
17. Stained picnic tables.
18. Measured, scribed, sawed, notched sills for lean-tos.
19. Prepared site for new outhouse in parking lot.
20. Replaced cross rails and posts to fence at Ranger station.
21. Replaced logs to entrance of Ranger station.
22. Replaced screen door at Ranger station.
23. Transferred 2 new dumpsters to North District.
24. Readied new paddles, vests, etc., for canoeist use.
25. Removed hazardous trees from campground locations.
26. Got new boats ready - took care of old ones.
27. Rock landscaping by lean-to #1.
28. Painted campground buildings, trash cans.
29. Repaired leaky lean-to roofs.
30. Fixed broken windows in bunkhouse.

31. Did minor repairs on outhouses.
32. Filled potholes on entrance near crew camp.
33. Cleared blowdowns and cut brush on waterline trail.
34. Painted bathroom floor of Ranger station.
35. Moved fireplaces to meet forestry standards.
36. Repaired waterline to living quarters.
37. Repaired propane light fixtures.
38. Hauled gasoline in for winter use.
39. Filled in potholes in parking lot.
40. Trail work on the Ledges Trail.
41. Constructed rock barriers at Ts #17.
42. Rebuilt rock way to Black Cat Mtn. Trail.
43. Patched leaky canoes.
44. Serviced chainsaw - also pitcher pump.
45. Painted outhouse and stained new picnic tables.
46. Replaced cement fireplaces (2) with steel-rim fireplaces.
47. Reflagged section of South Branch Mtn. Trail.
48. Put canoes away, boats and motors away and closed up for winter.

C. Trout Brook (CR-Fred Ward)

1. Mowed roadside and field.
2. Cut and split firewood.
3. Routine maintenance of chainsaws, lawnmowers, trucks, snowsleds, etc.
4. Cleaned up Black Brook area after camp removal.
5. Got grounds around new crew camp leveled, loamed, seeded and hay spread.
6. Hauled gravel and loam behind garage at Trout Brook Farm and leveled.
7. Dug up and repaired waterline to campground.
8. Got torch kit and air compressor set up and ready to use.
9. Moved office equipment to new building.
10. Insulated attic of Ranger camp.
11. Hauled hardwood logs out for lumber.
12. Moved furniture up from Kidney Pond.
13. Made 3 sets of truck racks.

D. Matagamon Gate (GA-J. Jacques, Dana Miller and Gladys Hanson, Acting Capacity)

1. Hauled loam and seeded down lawn at Matagamon.
2. Installed 2 skylights and shingled Martin Camp.
3. Prepared site and built new outhouse at boat landing - stained it also.
4. Cleaned and fitted (2) plastic water tanks.
5. Hooked up new water system at Martin Camps.
6. Made and varnished shelves for office.
7. Made stand for safe.

8. Painted outhouse, gates, posts, toilet tank, porch floor, gatehouse, signs, porch ceiling, etc.

E. Maintenance Ranger - Hadley Coolong

1. Built 4 outhouses - (Matagamon landing, S. Br. Pond, West Gate, Kidney Pond)
2. Built numerous picnic tables.
3. Repaired lawn mowers.
4. Installed louvers in new camp at Trout Brook Farm, and Matagamon Gatehouse.
5. Worked on generator for Trout Brook Farm shop.

F. Miscellaneous Maintenance

1. Worked on radio repeater at Burnt Mtn.
2. Cut logs for outhouse construction at Russell Pond.
3. Hauled supplies and requisitions to Russell Pond.
4. Worked on snowsled shed modifications at Matagamon parking lot.
5. Hauled supplies and requisitions to Webster lake - brought out old propane stove.
10. Cleaned brush and trees from roads.
11. Helped Boyington's move into Webster lake Camp.
12. Moved culverts on the Perimeter Road and helped DOT personnel install them.
13. Helped cut blowdowns at Daicey Pond after the November blowdown.
14. Prepared lumber and supplies for new bunkhouse at Russell Pond for flights in.

## VII TRAINING

Training opportunities for Park employees in 1988 included:

1. Solo 1st aid training course - a two-day session at Roaring Brook Campground.
2. Fire suppression training instructed by Maine Forest Service Personnel.
3. One week of work and safety orientation taught by BSP Trail Crew Leader Lester Kenway.
4. Trail Crew Leader Lester Kenway attended a Trail Maintenance Seminar in North Carolina.
5. A spring orientation training opportunity was provided for

seasonal employees.

6. Commissioned Rangers attended a firearm training session at Dwelley Pit.
7. Commissioned Rangers attended training session concerning the proper procedure in writing the new complaint forms.
8. Park Ranger Bernard Crabtree attended a Park Officer Training Course in Frederickton, New Brunswick.
9. Permanent Park employees attended an Affirmative Action Workshop instructed by the Bureau of Human Resources.
10. Park Mechanic Timothy Sides attended a General Motors Training Center course for electronic computer engine and emission control in Dedham, Massachusetts.
11. Required orientation of new State employees.

#### VIII SEARCH AND RESCUE

There were no fatalities in Baxter State Park in 1988. Search and Rescue incidents involving mostly sprains, strains and minor injuries or dangerous conditions were:

- March 12, 1988 - Head lacerations at Chimney Pond by Bob Ellis of Houlton.
- March 14, 1988 - Evacuation of Unity College student with sprained ankle out of Chimney Pond.
- June 25, 1988 - Boat rescue of a canoeing party stranded by high winds on an island near Togue Ledge on Matagamon Lake.
- July 9, 1988 - Shock victim moved out of Chimney Pond. The 112th Medivac was on alert status.
- July 13, 1988 - Dube party rescued by boat from Howe Brook delta on lower So. Branch Pond.
- June 29, 1988 - Litter evacuation of Ruth Geredien 2.5 miles down the Hunt Trail - knee injury.
- Aug. 8, 1988 - Serious leg injury on Abol Slide.
- Aug. 27, 1988 - Staff assisted woman with strained knee down the Abol Slide.
- Sept. 1, 1988 - Litter carry of Lavonie Davis with knee injury 2 miles down the Hunt Trail.
- Sept. 4, 1988 - Corinne Colman rescued on South Branch Mt. Trail.

Baxter Park personnel assisted numerous other people coming off trails late due to fatigue, late starts, minor injuries or lack of proper lighting.



## IX LAW ENFORCEMENT

Considerable time and energy was spent protecting the resources of Baxter State Park in 1988. Robert E. Howes, So. District Ranger, the Baxter Park Court Officer, spent considerable time handling complaints at the Millinocket District Court.

A breakdown of law enforcement activities are:

- Prosecutions - 35
- Evictions - 7
- Written warnings - 4
- Verbal warnings - over 300. Too numerous to accurately count.
- Automobile accidents - 12

Most violations were centered on illegal camping, illegal fires and fish and wildlife violations.

Most warnings center on speeding and minor infractions of Park rules and regulations.

The 1988 record of law enforcement actions are as follows:

SUMMARY OF  
CRIMINAL CASES



COURT OFFICER  
Robert E. How

DATE 1988

\*P-Physical  
S-Summons  
B-Bond

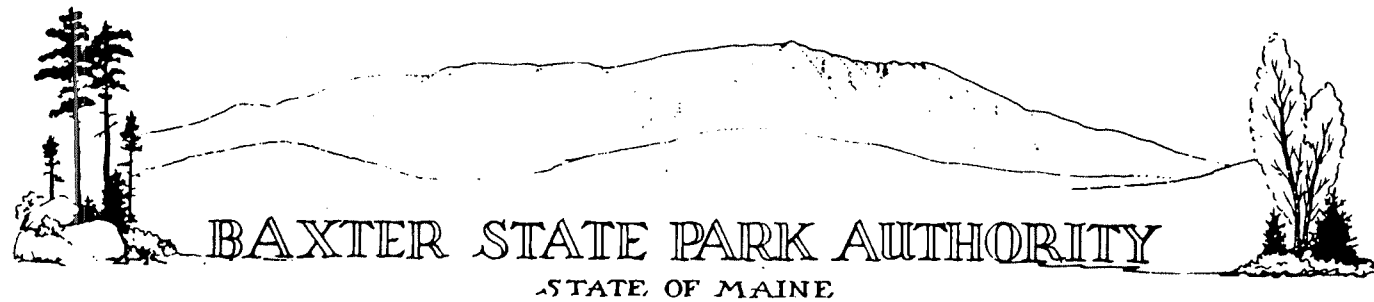
| OFFICER   | BDG NO. | RESPONDENT           | DOB      | ARREST* | OFFENSE            | PLACE OF ARREST | COLL. | DISPOSITION | TIME |
|-----------|---------|----------------------|----------|---------|--------------------|-----------------|-------|-------------|------|
| T. Chase  | 56      | Connell, Christopher | 11-26-64 | S       | B.S.P.#9 Fire      | T6R8            |       | FTA         |      |
| T. Chase  | 56      | Connell, Christopher | 11-26-64 | S       | B.S.P.#5 Camping   | T6R8            |       | FTA         |      |
| L. Goode  | 57      | Mulheron, Forrest    | 6-05-59  | S       | F&W Short Trout    | T2R9            | 71.50 | Guilty      |      |
| T. Chase  | 56      | Kendall, Lisa        | 4-06-67  | S       | B.S.P.#5 Camping   | T6R8            | 38.50 | Guilty      |      |
| T. Chase  | 56      | Kendall, Lisa        | 4-06-67  | S       | B.S.P.#9 Fire      | T6R8            | 38.50 | Guilty      |      |
| R. Howes  | 53      | Lamb, Richard        | 10-02-58 | S       | B.S.P.#5 Camping   | T3R10           | 38.50 | Guilty      |      |
| L. Goode  | 57      | Stepankowsky, Igor   | 4-11-60  | S       | B.S.P.#5 Camping   | T3R9            |       | FTA         |      |
| C. Kenney | 59      | Jefferson, Riley     | 12-05-45 | S       | B.S.P.#15 Pets     | T5R9            | 38.50 | Guilty      |      |
| R. Howes  | 53      | Benoit, Donald       | 6-16-55  | S       | B.S.P.#14 Climbing | T3R9            | 38.50 | Guilty      |      |
| R. Howes  | 53      | Natahn, Krishna      | 4-16-62  | S       | B.S.P.#5 Camping   | T3R10           |       | FTA         |      |
| L. Goode  | 57      | Silveria, Joan       | 4-12-60  | S       | B.S.P.#5 Camping   | T3R9            | 38.50 | Guilty      |      |
| L. Goode  | 57      | Bernat, Christopher  | 7-24-65  | S       | B.S.P.#5 Camping   | T3R9            | 38.50 | Guilty      |      |
| L. Goode  | 57      | Petela, Peter        | 11-11-63 | S       | B.S.P.#5 Camping   | T3R9            |       | FTA         |      |
| L. Goode  | 57      | Privett, Melissa     | 3-20-70  | S       | B.S.P.#5 Camping   | T3R9            |       | FTA         |      |
| L. Goode  | 57      | Girard, Carol        | 2-12-63  | S       | B.S.P.#5 Camping   | T3R9            | 38.50 | Guilty      |      |
| L. Goode  | 57      | LaHaye, Louis        | 3-05-65  | S       | B.S.P.#5 Camping   | T3R9            | 38.50 | Guilty      |      |

SUMMARY OF  
CRIMINAL CASES

COURT OFFICER  
Robert E. How

DATE 1988

\*P-Physical  
S-Summons  
B-Bond



| OFFICER  | BDG NO. | RESPONDENT          | DOB      | ARREST* | OFFENSE                       | PLACE OF ARREST | COLL. | DISPOSITION | TIME |
|----------|---------|---------------------|----------|---------|-------------------------------|-----------------|-------|-------------|------|
| L. Goode | 57      | Savard, Serge       | 9-08-63  | S       | B.S.P.#5 Camping              | T3R9            | 38.50 | Guilty      |      |
| L. Goode | 57      | Freese, Dana        | 10-08-51 | S       | B.S.P.#5 Camping              | T2R9            |       | FTA         |      |
| L. Goode | 57      | Kristoferson, David | 11-14-60 | S       | B.S.P.#5 Camping              | T2R9            |       | FTA         |      |
| L. Goode | 57      | McLaughlin, Sharon  | 9-27-63  | S       | B.S.P.#15 Pets                | T2R9            | 38.50 | Guilty      |      |
| L. Goode | 57      | Stepamkowsky, Igor  | 4-11-60  | S       | B.S.P.#9 Fire                 | T3R9            |       | FTA         |      |
| T. Chase | 56      | Robertson, Roy      | 1-19-49  | S       | B.S.P.#5 Camping              | T6R8            | 35.00 | Guilty      |      |
| T. Chase | 56      | Hawkins, John       | 11-24-54 | S       | B.S.P.#5 Camping              | T6R8            | 35.00 | Guilty      |      |
| L. Goode | 57      | Merkel, Henry       | 12-11-32 | S       | F&W License                   | T2R9            |       | FTA         |      |
| L. Goode | 57      | Brewer, Cecil       | 1-14-61  | S       | B.S.P.#15 Pets                | T2R9            | 38.50 | Guilty      |      |
| L. Goode | 57      | Fortin, Timothy     | 11-30-56 | S       | Artificial<br>F&W Lure FFO    | T5R10           | 55.00 | Guilty      |      |
| L. Goode | 57      | O'Brion, John       | 8-01-62  | S       | License Not<br>F&W Possession | T5R10           |       | Dismissed   |      |
| L. Goode | 57      | O'Brion, John       | 8-01-62  | S       | Worm Fish-<br>F&W ing - FFO   | T5R10           | 55.00 | Guilty      |      |
| C. Drew  | 51      | Vesecky, Russell    | 12-23-31 | S       | B.S.P.#15 Pets                | T3R10           | 38.50 | Guilty      |      |
| L. Goode | 57      | Butt, George        | 9-01-60  | S       | B.S.P.#5 Camping              | T3R10           |       | FTA         |      |
| L. Goode | 57      | Morgan, Jeffrey     | 3-19-58  | S       | B.S.P.#5 Camping              | T3R9            |       | FTA         |      |
| L. Goode | 57      | Jipson, Timothy     | 7-06-59  | S       | B.S.P.#5 Camping              | T3R9            |       | Dismissed   |      |



## X SPECIAL PROJECTS AND ACTIVITIES

1. Repainted 27 miles of Baxter State Park boundary.
2. With the Dept. of Transportation's assistance, BSP personnel constructed 2.7 miles of Perimeter Road around Nesowadnehunk Lake.
3. Many improvements and renovations of the Kidney Pond Camps (See Kidney Pond under Maintenance Section of this Annual Report.)
4. Major landscaping renovation at the former Togue Pond Campground. (See Togue Pond under Maintenance Section.)
5. Closing, removal and relocation of the Nesowadnehunk Field Gate.
6. Installation of the new West Gate just east of the outlet of Nesowadnehunk Lake.
7. The installation and renovation of the West Gate house and storage shed. Also the installation of a new toilet. (See West Gate under Maintenance.)
8. Grounds renovation at the new Trout Brook Farm crew camp and office.
9. The removal of the east end of the Wassataquoik Stream Bridge.
10. Live trapping relocation of 2 nuisance beavers who had flooded the Perimeter Road.
11. Remapping and renumbering the Katahdin Stream Campground.
12. Assisting Environmental Protection Agency and scientists performing tests at Six Ponds and Weed Pond in August.
13. Recovered and sheltered lost bear dogs at Russell Pond, Roaring Brook and other locations.
14. Assisted Maine Forest Service in fire suppression on Second Lake Matagamon.
15. Assisted Dept. of Inland Fisheries & Wildlife personnel in locating Peregrine Falcons.
16. Campground Ranger Keith Smith completed a loon survey for the Maine Audubon Society.

17. Brook Trout were stocked in the following BSP ponds:  
Abol Pond, South Branch Pond, Round and Rocky Pond, Celia Pond, Draper Pond and Frost Pond.
18. Park Rangers assisted the State Police in matters relating to lost persons and accidents.
19. Relocation and setup of the Patten radio repeater facilities (See Maintenance Section).
20. Assisted Dept. of Transportation personnel in the removal of the old DOT camps and outbuildings at Black Brook.
21. Assisted Dept. of Transportation personnel with the water and septic systems at the new DOT housing facilities at the N. Br. of Trout Brook.
22. Common special services and activities for the public include:
  - a) hauling of vehicles out of ditches.
  - b) boosting vehicle batteries.
  - c) transporting fatigued hikers with packs.
  - d) repairing vehicles, camping gear, fishing gear, etc.
  - e) loaning of axes, tools and small quantities of gasoline and oil.
  - f) Assisting persons who locked themselves out of vehicles.
23. Hauled out the old Kidney Pond canvas canoes out of Lily Pad Pond, Big Rocky Pond, Little Rocky Pond, Lost Pond and Polly Pond. Replaced these canoes with aluminum canoes.
24. Transported the Wilderness Rescue Team to and from Chimney Pond for winter S&R training purposes.
25. Burned the decaying boat houses at Lost Pond and Jackson Pond.



C. SCIENTIFIC FOREST MANAGEMENT AREA



# SCIENTIFIC FOREST MANAGEMENT AREA

## YEAR-END REPORT

Jensen Bissell  
Resource Manager

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### I. Overview

1988 was a productive year of preparation for the SFMA. The primary objective of this years activities was to set up the management of the area, administratively and operationally, to permit the commencement of long-term operations consistent with the objectives of the Deeds of Gift and the SFMA Management Plan. The preparation involved completion of the revision efforts on the SFMA Management Plan, definition of the jurisdiction over contracting procedures, the creation of a file of contractors interested in working on the SFMA, and pre-operational and layout work. This preparation progressed well enough to allow contract preparation and award for road construction and the start of road construction operations.

### II. Administration

The SFMA Advisory Committee continues to play a strong and important role in the management of the SFMA. The Committee met on three occasions in 1988, with the first meeting being hosted by Ted Tryon at the Sewall Co. office in Old Town, followed by an Orono meeting in May and a field meeting in October. The field meeting included an overnight at Kidney Pond (including a great supper - thanks to Linda and Latona for all their help on this) and a field trip to the SFMA to review road construction and timber marking operations. In addition to the formal meetings were numerous visits, sub-committee meetings and field trips by individual members of the Committee. Through this active commitment, the SFMA Advisory Committee continues to provide a direct and positive contribution to the management of the area. 1988 saw some change in both membership and chairmanship of the committee, as members John Dimond and Jane Arbuckle resigned after productive tenures. Joe Wiley, a wildlife biologist with Inland Fisheries and Wildlife, has filled one of the vacancies on the committee. The number twelve spot remains vacant as candidates are considered. Chuck Gadzik, after an extremely productive tenure as Committee Chair, will move to a member position in response to personal time constraints. The election of a new Chairperson is the number one item on the agenda for the January 1989 meeting.



SFMA Advisory members during October field trip.  
 (l. to r.: Mel Ames, Bob Frank, Win Robbins, Ted Tryon,  
 Tom Cieslinski, Jensen Bissell, Jerry Bley and Chuck Gadzik)

In January, I attended a meeting put on by the Occupational Safety and Health Organization (OSHA) in Presque Isle. The meeting centered around OSHA regulations and inspection procedures regarding forest harvest and treatment operations.

In April, Buzz and I met with Jon Ford, land manager for the Huber Corp. The Huber Corp. owns lands in T7 R6, directly north of the SFMA, and could provide an important option for access to acreage north of Webster Stream. In the past, Huber has been consistently against discussion of such an option. This position may have softened somewhat, as Mr. Ford offered strong and reasonable concerns about the development of access from Huber lands onto the SFMA, but did not dismiss the possibility of future access to the SFMA from Huber Lands.

This year also saw us approach the completion of the revision efforts on the SFMA Management Plan. In effect, the revision was almost a rewriting of the plan and was a considerably larger effort than was first envisioned. It is my belief that the revised plan will offer clear direction in the administration, operations and review of the management of the SFMA. The Authority has approved the nearly complete revision as a working document. Only the silviculture portion of the forest management section has yet to be completed, and this section should be finalized by spring of 1989.

In May a Timber Supply Analysis was completed for the SFMA utilizing a sophisticated computer model developed in New Brunswick and later adapted and utilized in the statewide modeling of long-term wood supply analysis for the State of Maine. By utilizing the extensive information gathered during the SFMA forest inventory of 1979-80, the supply model was oriented to simulate the specific forest resources of the SFMA for a variety of management approaches over long periods of time. Although still no more than a very educated estimate, the model provides guidelines for operational harvest levels on a sustained-yield basis. The timber supply analysis for the SFMA has been included as a part of the SFMA Management Plan.

The spring of 1988 also saw the following notice placed in newspapers over northern and central Maine:

#### FOREST OPERATIONS CONTRACTORS WANTED

Baxter State Park wishes to establish a list of qualified contractors for contract work on the Scientific Forest Management Area (T6 R10 W.E.L.S., Piscataquis County). Planned work consists primarily of, but is not limited to, forest harvest and road construction operations. Interested parties are invited to contact Baxter State Park, Resource Manager between the hours of 8:00 A.M. and 4:00 P.M., Monday through Thursday.

Interested respondents were supplied with information regarding the SFMA and asked to complete a questionnaire detailing the size, orientation and direction of their operation. The notice received a strong response, and resulted in a list of twenty-eight entries interested in working in some capacity on the SFMA. The list includes individuals and large companies and covers a wide range of forest operations. Companies on the list can be evaluated and selected as candidates for forest operations contracts.

The list of qualified contractors was put to use in short order with a contract for road construction in Compartments 4 and 9. The candidates were evaluated based on their objectives and the criteria set forth by the contract, with the three most qualified contractors being offered the opportunity to bid on the contract. The contract was awarded to Randy Cyr, Inc. of Sherman Mills.

On a public relations note, 1988 included talks on the SFMA to Downeast Audubon in Southwest Harbor, the E. Millinocket Senior Citizens, students from the Univ. of Maine - Machias, the Ellsworth Rotary and students at the Brownville Elementary School.

In the spring and early summer, a quiet change took place that will have a long-lasting and important influence on the SFMA. Previously, the Bureau of Public Improvements had jurisdiction over construction operations within the Park, including the SFMA. In the past, legal opinions had been offered that Baxter State Park was a unique agency and should not fall under the

jurisdiction of State agencies such as BPI, and this opinion was confirmed by the present counsel of the Attorney General. Finally, through the persistent and dogged efforts of Buzz and Paul Stern, we received official documentation that Baxter State Park does not fall under the jurisdiction of the Bureau of Public Improvements. This action greatly simplifies the contracting procedures on the SFMA, and allows road construction to proceed as a single operation, separate from timber harvest activities.

In the fall months of 1988, the SFMA was extremely fortunate in having Roy Farnsworth spend some time on the area. Roy is a Professor of Geology at Bates College and is active in many BSP matters, including his present duties as vice-chair of the BSP Advisory Committee. Upon hearing of the uncertain likelihood of gravel deposits on the SFMA, Roy offered, on a volunteer basis, to conduct some on-site examinations of the SFMA to offer some specific and professional assessments of the likelihood and location, if any, of gravel deposits on the SFMA. The results of Roy's efforts are informative and beneficial towards improved management of the area.

The complex and controversial issue of access on the SFMA was also addressed in 1988. A complete access policy for the SFMA has been developed and, following review, is planned for presentation to the Authority in early 1989.

Other activities I was involved in that are not directly related to SFMA work included a trip to the Adirondack Park to compare forest management within the AP to related issues facing the SFMA. I also spent most of June helping with the completion of contract work on the Perimeter Road relocation near Nesowadnehunk Field.



Burning slash piles along the Murphy Brook Road

### III. OPERATIONS

#### FIELDWORK:

- Stand exam work in compartments 1, 9 and 6.
- Raking of primary access roads:
  - 3 miles - Hudson Pond Road
  - 2 miles - Murphy Brook Road
  - 1 mile - Hudson Brook Road
  - 1 mile - Town Line Road
- Roadside seeding of areas burned/chipped in fall 1987.
- Covering and later burning of roadside debris piles along Murphy Brook Road.
- Location, layout and design of 17,000 feet forest road in compartments 4 and 9.
- Reconnaissance and initial location of 5,000 feet of forest road layout in compartment 6.
- With consultant forester under contract, marking of softwood stands in compartment 9 for initial shelterwood regeneration treatments.
- Field inspection with Park Naturalist of typical stands and sensitive areas in compartment 9 to define and test SFMA critical/sensitive areas survey procedure.

#### CONTRACT OPERATIONS:

In August a contract for 17,000 feet of forest road construction was awarded to Randy K. Cyr, Inc. of Sherman Mills. The contract required excavator-based construction. Road width is 18' within 50' clearing limits. Clearing operations began on August 22 and construction commenced in early September and continued until late October when operations were suspended due to wet weather and soils. Construction is completed to 8000', and includes the installation of 10 culverts and one 10' x 24' wooden crossing structure over the North Fork Murphy Brook. Other construction activities carried under this contract but not directly involving road construction on the SFMA include:

- installation of steel gate at BSP property line at start of Murphy Brook road.
- burial of debris and junk remaining after previous SFMA operation along Murphy Brook Road.
- maintenance operations on the Coffeelos Road which provides access to the SFMA Murphy Brook gate. BSP has an agreement with the road owner (Bureau of Public Lands) for user maintenance of this road. Operations included stockpiling of surfacing materials from local pit, replacement of a wooden culvert with a 30' CMP, and realignment of a short segment of road near the BSP property line.

Wood products resulting from the road right-of-way clearing were not included in the construction contract and were merchandised, trucked and marketed separately. Loading and trucking were accomplished with excellent cooperation and attention on the part of the contractor in utilizing the cold weather of early December to prepare and truck the wood over the frozen new construction. Seventeen loads of wood products were trucked out of compartments 4 and 9 between the 12th and 15th of December. A summary of road costs and product revenues to date is as follows:

COSTS:

Clearing and construction of 8000' of forest road: - \$45,900  
(includes culvert and crossing installation)

\*\*Trucking costs for tree length hardwood (firewood) - \$ 355

REVENUES:

Right-of-Way Wood Products:

|            |               |                 |                  |
|------------|---------------|-----------------|------------------|
| Pulpwood - | spruce/fir    | 425 M-lbs       | \$4483.00        |
|            | pine          | 37 M-lbs        | \$ 273.00        |
|            | <u>poplar</u> | <u>50 M-lbs</u> | <u>\$ 315.00</u> |
|            |               | 512 M-lbs       | \$5071.00        |

|        |              |              |                  |
|--------|--------------|--------------|------------------|
| Logs - | spruce       | 34 MBF       | \$5567.00        |
|        | pine         | 22 MBF       | \$4590.00        |
|        | <u>birch</u> | <u>3 MBF</u> | <u>\$ 419.00</u> |
|        |              | 59 MBF       | \$10,576.00      |

Total Revenue: + \$15,647

Net Cost to date: -----  
\$31,108

\*\*Approximately 50 cords of tree length hardwood included in the ROW wood, was yarded, trucked and decked for future use in BSP campgrounds.

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John Mills, a consultant forester out of Brewer, was employed via a special services contract on an hourly basis for stand layout and marking operations. John is a very capable individual in this regard and this arrangement is planned to continue.

D. INFORMATION/EDUCATION





## INFORMATION/EDUCATION

Between the months of January and May, a considerable amount of time and effort were spent developing justification to the Authority for the position of Park Naturalist. During these months requests for speaking engagements, training (I&E), review of 1988 handout material and map revision was delegated among the staff. Our thanks to Chief Ranger Chris Drew, Business Manager Elizabeth Gray, Resource Manager Jensen Bissell and District Rangers Robert Howes and Barry MacArthur for covering some of these areas.

A revision of BSP Rules and Regulations was implemented in 1988 with changes to Rule numbers:

3. Fee increases.
5. Requiring camper to be registered in campground by 9:00 P.M.
6. Requiring all persons to be registered in advance of entering the Park and requires registration of boats and canoes left in the Park.
7. Limit size of group on Webster watershed.
8. Restricts one vehicle parked at each campsite.
21. Clarifies trapping regulation.
22. Removes KPC as exemption.

In May I represented BSP at the AMC conference on Wilderness Management.

Newsletters were sent on a regular basis to Authority, Advisory, Staff and Volunteers.

In May the Baxter State Park Authority approved the hiring of a Park Naturalist. We advertised, interviewed and filled the post in September. Following is an overview of what has been accomplished since that position has been filled.

## NATURALIST REPORT

Time has passed in a blur since early September. Though the learning curve can be long in job like this, we can rest assured the helpfulness and sincerity of all the people associated with the Park have made each step of the way a positive experience for the new Park Naturalist, Jean Hoekwater.

One of the immediate objectives Jean had when beginning work in September was to make contact with as many seasonal personnel as possible, before they left for the season. In addition to meeting all the new faces, she wanted to hear what needs/questions field staff had that she could address. The experience was very worthwhile; although she wasn't able to meet with all the seasonals, she intends to do so in the 1989 season.

She reports the commitment of Baxter State Park personnel to protecting the resource was evident in every discussion. Many issues and questions were raised, but certainly the dominant concerns were day-use control and educating Baxter's users to consider the impact of their actions on the resource. Field staff also requested information on a variety of topics, from caterpillars, to hawks, to the geologic history of the Katahdin range, to water treatment techniques. Jean welcomes all these inquiries and will always find time for them. One of the most effective uses of her time as a naturalist is to provide answers and resources to the staff who deal daily with the questions of Park users.

After the campgrounds closed, we began to get requests for naturalist programs and field trips. Maine Conservation Corps Crew Leader Peter Wild requested help in fulfilling MCC's weekly two hour environmental education requirement. Jean lead two half day field trips, one around Kidney Pond and one to Cranberry Bog. She also did an afternoon slide/lecture on alpine ecology for the crew. In another instance, Dave Wilkins' High School Ecology class from Sherman Station spent a full day with Jean in mid-November as part of their study unit on erosion. They visited and video-taped erosion control efforts at Togue Pond, on the Roaring Brook-Chimney Pond Trail, the Sandy Stream Pond Trail, and in Katahdin Stream Campground as well. The students viewed all aspects of erosion, and talked about the various construction and management techniques the Park employs to reduce or, in the case of Togue Pond, reverse the effects of erosion. Locally, Jean gave 2 slide/lectures on northern forests and alpine zones for community groups: the Katahdin Club and the Pine Needle Club in Island Falls. Also in mid-December, she gave a Park orientation slide show for the East Millinocket Senior Citizens. Finally, in early December, Rick Scribner's recreation management class from the University of Maine at Machias traveled down to Headquarters for a day-long workshop on Park Management. Buzz, Chris, Jensen and Jean all participated. Jean gave a general natural history slide show and a show on recreational opportunities, recreational impact and the ways in which the Park deals with such impacts.

In anticipation of program requests from schools, the naturalist has initiated meetings with local school officials. Jean has been asked to help the teachers at the Opal Myrick School in East Millinocket as they apply for grant money to initiate an environmental field trip program. In connection with their overall plans, Jean will lead some student field trips in the spring and fall along with the teachers. At their request, she will also lead a teacher's training session to enable teachers to be more self-sufficient in the future. Other school representatives Jean has met with include Mr. Pelletier, Superintendent of Millinocket Schools and Mr. Wilkins, High School Ecology instructor at Katahdin High School in Sherman Station. Requests from local schools are a high priority. Local

children who develop familiarity and pride for their environment become citizens who make and support informed choices concerning the natural resource base.

Jean got her first taste of resource inventorying and monitoring for the Park shortly after arriving on the job. One instance concerned a very rare fern found at only a handful of sites. Representatives from the Maine State Planning Office, Critical Areas Program, asked her to spot-check the site, count the plants, and stay informed of any human activities that would impact the population. Another inventorying/monitoring opportunity became apparent on Jean's orientation trip to the Scientific Forest Management Area with Resource Manager Jensen Bissell in early October. Jensen pointed out the need for a site assessment procedure to identify and document critical areas to be protected and preserved in the presence of harvesting operations. Jean suggested we start by looking over the site survey form the Maine Natural Heritage Program (with the Nature Conservancy) uses. From those forms, Jensen and Jean devised a pared-down form that will be used to assess SFMA sites before harvesting takes place.

Much of a Naturalist's work requires establishing contacts in other agencies. By asking questions of each other and sharing solutions, we all save time and the natural resource is in better hands. Some of the people we would like to thank for their contributions on the Park's behalf:

- Barbara and Peter Vickery, The Nature Conservancy, for their help with questions on water pipits.
- Burnham Martin, Nancy Ritger, Appalachian Mountain Club, sources of information on trail impact, education strategies.
- Ruth Ann Hill, The Nature Conservancy, A.V. advice, art supply information.
- Don Hudson, Chewonki Foundation, information on alpine plants.
- Judy Hazen, Isabelle Manzinelli and Meg Scheid, Acadia National Park, information on interpreter's organizations, visitor impact studies.
- Tom Carbone, Lisa Kane, Dr. George Matula, Tom Shaener, and Warden Alvin Theriault, display techniques, collecting permit information.
- Henry Trial, Skip Cram, Maine Forest Service, Insect and Disease Management Division, information on insect infestations in Park.
- Laurie Kinsey, Tin Mountain Conservation Center, Jackson, NH, Nature Calendar.
- Hank Tyler, Les Eastman, Sally Rooney, Maine Critical Areas Program, fern information.

As the Park Naturalist, Jean has been attending meetings of two Sub-Committees of the BSP Advisory: She has worked closely with the Scientific Study Review Committee and the Park Regulations and Visitor Usage Committee. Jean is very pleased

with the dedication exhibited by committee members and is excited about the prospect of contributing to the efforts of these groups. She has also had the opportunity to attend two Communications meetings, (Millinocket and Augusta) during December, for the purpose of meeting concerned citizens and explaining her duties and projects.

One meeting that Jean attended with other members of the Park staff was particularly unusual. We traveled to Ray Brook, N.Y. for a one-day staff exchange with officials of the Adirondack Park. Adirondack Park interpreters are laying the groundwork for 2 Park Visitor Centers, complete with audio-visual programs and self-guided trails. We are hoping to arrange a return visit to view the outcome and bring home techniques and approaches that can be applied to the needs of Baxter State Park.

There are a number of office-based projects Jean is working on as well. First of all, many thanks to Lester Kenway, Dorcas Miller and Brendan Curran for offering the use of their slides to build a Park slide collection. After researching options for film processors, she decided to use one in Augusta. Thanks to the generosity of the above-named people, we now have slides of many plants and locations in the Park. Additional wildlife shots are our greatest need at this point. In addition to these slides, Dave Getchell has embarked on an ambitious project to photograph sites throughout the Park and will donate the results of his efforts to our photographic files. Dave's fine aerial photographs also made it possible to make accurate maps illustrating changes at Kidney Pond during the renovations this past year. His efforts deserve a special thanks.

The slide projectors have been serviced and are ready for another season of wear and tear. The programmed slide show, however, needs to be re-vamped; the slides have been warped because the projectors weren't cooling well. Additionally, colors have faded with heavy use. Hence, the new slides are here just in time!

With the help of a skilled volunteer, Jennifer Sanborn, from the University of Vermont, the free hand-out map of the Freeze-out Trail and the Fowler Ponds region is being re-drawn. Eventually, we hope to have two separate maps, one for the Freeze-out Trail and one for the Fowlers. Increasing the size available to depict the features will make the map easier to understand and use.

In general, there are many hand-out materials that need revising. In discussion with campground personnel, the naturalist also received requests for several new hand-outs to be developed on camping I & E and natural history. She will work on producing these as time goes on.

Filing cabinets in the Naturalist's office now contain

information from a variety of sources and will continually be updated. Jean maintains a natural history file and encourages anyone with such questions to check with her; she may be able to xerox an article of interest for your use in answering visitor questions. She has also been "feeding" her personal files from other programs and organizations into the Park files so that there are resources available for teachers, church leaders, etc., on outdoor nature study and leadership.

Two organizations in which Jean has initiated Park membership are: the Natural Areas Association and the National Association of Interpretation. NAA publishes a quarterly with articles on various critical habitats, site survey methodology and ecosystem models. NAI publishes a newsletter six times a year for professional interpreters, with valuable information on the latest developments and resources in the field.

Another on-going project concerns displays, both outside Headquarters (on I-95) and inside. After talking with Tom Carbone, Fish and Wildlife Display Specialist and after looking at a few options, Jean has decided to experiment with some new materials. She hopes to be able to increase the durability and fade-resistance of the displays with these products so we can save time and money by doing a display that holds up for more than one season of use.

The following is a partial list of activities the Naturalist will be involved in during 1989:

#### OUTLOOK FOR 1989

##### Audio-Visual-Produce new taped slide show for Park Headquarters

- Begin collecting slides for two educational slide shows:
  - a) Animal tracks and signs
  - b) Low-impact camping techniques

##### Inventory and Monitoring Dates-Assist botanists Don Hudson and Charlie Cogbill in establishing and monitoring sites to collect baseline data on plant community composition on Katahdin

- Ongoing site surveys on each SFMA block before harvesting begins, to locate and protect unique species or habitat
- Initiate photographic inventory and monitoring of heavily used locations
- Coordinate and carry out, when necessary, data collecting vital to the ongoing agenda of the Park Regulations and Visitor Usage Committee

##### Printed Materials & Displays

- Displays - Complete 2 large format displays on I-95 at the rest stops, general BSP information

Printed Materials - Write and produce Caribou Natural History brochure, produced with cooperation from the Maine Caribou Corporation

Long term projections, to be completed as time allows:

Updating all existing hand-out information

Low impact camping and group hiking etiquette hand-outs  
Natural history hand-outs on bear, pine marten, red fox, etc.

Geology field trip ideas

Public Programs - (anticipated) slide shows and field trips

Millinocket Middle School

East Millinocket Elementary Grades

Katahdin High School

Assorted Community Groups

We encourage groups to schedule slide programs in the spring/fall/winter whenever possible, to allow maximum time to work in the field and with seasonal campground staff during the short summer season.

Committees - Scientific Study Review Committee

- Park Regulations and Visitor Usage Committee
- Communication Committee

GUIDELINES FOR CONSIDERING SCIENTIFIC  
STUDIES IN BAXTER STATE PARK

1. The Park will consider scientific research studies that conform to the general terms of Governor Baxter's Deeds of Trust. These studies will result in an improved understanding of biological and geological processes representative of northern Maine and Baxter State Park. In general these studies will be non-consumptive and will have minimal impact on the wilderness environment of the Park and on the users of the Park.
2. Types of Studies. The Park encourages authorized scientific studies that will lead to a greater understanding and appreciation of the natural systems of northern Maine.
3. Impact to the Park. Emphasis and priority will be given to research projects that have a minimal impact on the natural resources of the Park, but consideration will be given to any reasonable scientific studies. In general, the Park will not allow research that involves removal of botanical, geological or zoological specimens. Alteration of terrain or the permanent structures are prohibited. Construction of permanent structures is also prohibited.
4. Funding. In general, the Park will not fund scientific research from its annual budget. The Park will consider



funding research that will provide data and management recommendations for specific management issues within the Park. If funding is requested, applications must be made two years prior to expected fundings.

5. Applications. Applications for permission to conduct research in the Park must be made six (6) months prior to expected issuance of a permit. The Park will circulate the proposal to a scientific studies review committee.

An application must contain the following:

1. Title
  2. Name of Researcher
  3. Researcher's credentials
  4. Benefits to be derived from the research
  5. Detailed description of research
  6. Area(s) of the Park for the research
  7. Impact on the Park
  8. Budget
  9. Time table for research and completion of project
  10. Limited to 5 pages.
- 
6. All applications must be received at Park Headquarters by September 1st of each year. The Scientific Study Review Committee will meet on the second Tuesday of October each year to review applications and make recommendations to the BSP Director. Whenever possible Committee meetings will be

held at the University of Maine at Orono. Agendas will precede the meetings by two weeks.

7. Permit. Research will only be allowed in the Park upon the issuance of a permit by the Park's Director. The Director, upon the advice of the Scientific Studies Review Committee may attach conditions to the permit.
8. Staff Coordination. The Park Director shall assign a staff member to monitor the research site and program. The researcher shall coordinate implementation of the research project with the appropriate Park staff.
9. Rules, Regulations, and Fees. Researchers in the Park shall be subject to the existing Park rules, regulations, and fees and provide a justification for research in Baxter State Park.
10. Revoking of Permit. The Park Director, at his discretion, at any time, may revoke the research permit by informing the researcher of the revocation, orally or in writing, and if orally revoked such shall be confirmed in writing.
11. Liability. The Park will not be liable for the researcher's equipment or property installed or left in the Park during the course of the project.

12. Final report. Following the completion of a research project, all researchers are required to submit within sixty (60) days a complete report to the Baxter State Park Director identifying the results of that research project. All reports will be kept on file for reference material at Park Headquarters, the University of Maine and the Maine State Archives in Augusta.

Revised 12/30/88

APPLICATION FOR  
SCIENTIFIC STUDY IN  
BAXTER STATE PARK

1. TITLE:
2. NAME OF RESEARCHER:
3. RESEARCHER'S CREDENTIALS:
4. BENEFITS TO BE DERIVED FROM RESEARCH:
5. DETAILED DESCRIPTION OF RESEARCH:
6. AREA(S) OF THE PARK FOR THE RESEARCH:
7. IMPACT ON THE PARK:
8. BUDGET:
9. TIMETABLE FOR RESEARCH AND COMPLETION OF APPLICATION:

(Use additional sheets if necessary)



E. ADMINISTRATIVE SERVICES

## I. INTRODUCTION

### RESERVATIONS:

The reservation office started calendar year 1988 in the midst of modification and more than 20 visitors waiting at the doors to make their summer reservations. By the end of January, the office was pretty much complete and there were very few available nights at either Daicey Pond or Chimney Pond campgrounds. April 1st., almost all available sites were reserved for July and August and on weekends for other summer months.

Even though the total capacity of the Park remained constant, we saw an increase of 587 campers or 2.6% more than 1987. Overall day use increased by 2,766 or 6% and transient use decreased by 5,964 or 54%. We believe this significant change was due mostly to the relocation of the perimeter road and the West Gate at the beginning of the summer.

Our 1988 revised Rules and Regulations went into effect on May 15, 1988 with no resistance to an increase in fees. The change from \$5.00 to \$8.00 for non-resident vehicles was responsible for a portion of the decrease in transient traffic. It also caused an increase in the number of \$25.00 season passes sold. Park Headquarters becomes a more popular visiting place each year. We recorded close to 12,000 people in 1988 and answered close to 18,000 phone calls. This summer was very hot and humid and did have an impact on the visitor experiences early in the summer, but the high humidity for the remainder of the season helped keep visitor use up.

### PERSONNEL:

Changes in personnel this year are as follows:

Promotions, Demotions and Transfers.

Jesse Jacques promoted to Gatehouse Attendant at Matagamon from Campground Attendant.

Dana Miller transferred from Nesowadnehunk to Matagamon Gate.

### Retirements:

Dorothy Pratt and Arthur Pratt from their Gatehouse Attendant positions at Matagamon Gate.

### New Employees:

Barbara Rolfe - Gatehouse Attendant at Matagamon Gate.  
Ted Hanson - Gatehouse Attendant at Matagamon Gate.  
Dick Shean - Gatehouse Attendant at West Gate.

Rick Turmel - Gatehouse Attendant at Togue Pond Gate.  
Leslie Gordon - Gatehouse Attendant at Togue Pond Gate.  
Christine Trefethen - Gatehouse Attendant at Togue Pond Gate.  
Scott Fisher - Campground Attendant at Russell Pond Campground.  
Jonathan Milne - Campground Attendant at South Branch Pond Campground.  
Mike Smith - Campground Attendant at Nesowadnehunk.  
Gary Stillman - Assistant Trail Crew Leader.

Acting Capacity Appointments:

Gladys Hanson - Gatehouse Attendant at Matagamon Gate.  
Peter Duff - Campground Attendant at Chimney Pond.  
Susan Smart - Park Receptionist.

Employee Resignations Include:

Craig Gordon - ACR at Russell Pond.  
Susan Leiter - ACR at Nesowadnehunk Field.  
Addison Matthews - Gatekeeper at Matagamon Gate.  
Arthur Pratt - Gatekeeper at Matagamon Gate.  
Dorothy Pratt - Gatekeeper at Matagamon Gate.  
Tom Puckett - Gatekeeper at Togue Pond.  
Barbara Rolfe - West Gatekeeper.

Student Conservation Association Members Who Worked in BSP in 1988 Include:

Phyllis V. Boyd of Indianapolis, Indiana.  
Chuck Baird of Indianola, Illinois.  
Robert M. Cohen of Glen Rock, New Jersey.  
Stephanie Gray of Arlington, Virginia.  
Matthew Huddleston of Lewiston, Maine.  
Sandra Klepacki of Mt. Kisco, New York.  
Laura Manvitz of Overland, Kansas.  
Kate McIntosh of Golden, Colorado.  
Charles Miller of Greenfield, Massachusetts.  
Joyce Schwebach of Elmwood, Wisconsin.  
John Swartz of Williamsport, PA  
Buell Whitehead of Durham, NC

Student Interns Selected for Work in Baxter State Park Were:

Peter Duff - U. of M. - Presque Isle, ME.  
Peter Koch - U. of M. - Presque Isle, ME.  
James Madigan - U. of M. - Presque Isle, ME.  
Daniel Steinback - Gould Academy.

Maine Conservation Corp Personnel in Baxter State Park in 1988 Were:





Janitorial services were again provided by Wayne Lyle of Millinocket.

Forest Management services in the SFMA were again provided by John Mills. A contract for road construction in the SFMA was awarded to Randy K. Cyr, Inc.

Other services contracted this year were for grounds maintenance at Park Headquarters with George Hall and temporary Gatekeeper and Campground Attendant services with Ramone Torres, III.

#### SUPPLY:

A major project undertaken this year was consolidating all supply inventories within the new warehouse complex at Tamarack Street. With the assistance of the fall MCC crew, Rosemary James, Stores Clerk, moved and organized furniture, shelving and supplies. Phil McGlauflin installed new lights throughout, and Albert Rickards replaced garage doors, installed cabinets upstairs, secured access to only one entry and constructed shelving and material handling table.

Surplus property was transported to Augusta with the exception of some items which were sold at auction held at Kidney Pond Campground. An inventory was taken and capital equipment records updated. We are currently in the process of numbering and tagging each item to aid in identifying Park property.

STATEMENT OF REVENUES AND EXPENDITURES  
FISCAL YEAR ENDING JUNE 30, 1988

Balance Forward, July 1, 1987

\$ 74,857.7

REVENUE:

PARK OPERATIONS:

|                          |               |
|--------------------------|---------------|
| Use Fees                 | \$ 275,203.15 |
| Entrance Fees            | 61,869.00     |
| Sale of Maps and Guides  | 9,428.03      |
| Canoe Rental             | 9,455.51      |
| Transfer Fees            | 2,589.00      |
| Cash Over/Short F. Exch. | 37.80         |

SUB-TOTAL \$ 358,582.49

LESS: Overpayments (3,722.00)

Refunds (6,541.00)

SUB-TOTAL (10,263.00)

Net Revenue from Operations \$ 348,319.49

TRUST FUNDS:

Boston Safe Deposit & Trust Co. 700,000.00

Casco Bank & Trust Co. 160,000.00

Net Revenue from Trusts 860,000.00

MISCELLANEOUS REVENUE:

License Fees 107.00

Interest Earned 9,049.14

Witness Fees 180.00

Misc. Income 2,810.56

Reg. Transfers 34,106.00

Sale of Equipment 6,202.25

Net Revenue from Misc. 52,454.95

Net Revenue - All Sources \$1,260,774.44

Adjustment to Balance Forward 968.87

TOTAL REVENUE AVAILABLE \$1,261,743.3

\$1,336,601.0

EXPENDITURES:

Operations

S.F.M.A.

Total

PERSONAL SERVICES:

|                     |               |             |               |
|---------------------|---------------|-------------|---------------|
| Salaries, Permanent | \$ 326,509.06 | \$29,429.20 | \$ 355,938.26 |
|---------------------|---------------|-------------|---------------|

|                    |            |   |            |
|--------------------|------------|---|------------|
| Salaries, Seasonal | 193,188.29 | - | 193,188.29 |
|--------------------|------------|---|------------|

|           |          |        |          |
|-----------|----------|--------|----------|
| Retro Pay | 6,279.78 | 229.60 | 6,509.38 |
|-----------|----------|--------|----------|

|          |           |   |           |
|----------|-----------|---|-----------|
| Overtime | 11,465.05 | - | 11,465.05 |
|----------|-----------|---|-----------|

|                  |           |          |            |
|------------------|-----------|----------|------------|
| Retirement Cont. | 98,733.57 | 5,377.11 | 104,110.68 |
|------------------|-----------|----------|------------|

|                |           |          |           |
|----------------|-----------|----------|-----------|
| Other Benefits | 59,479.98 | 2,796.00 | 62,275.98 |
|----------------|-----------|----------|-----------|

|                     |               |             |               |
|---------------------|---------------|-------------|---------------|
| TOT. PERSONAL SERV. | \$ 695,655.73 | \$37,831.91 | \$ 733,487.64 |
|---------------------|---------------|-------------|---------------|

ALL OTHER:

|                   |               |             |               |
|-------------------|---------------|-------------|---------------|
| Contractual Serv. | \$ 260,611.33 | \$ 6,984.59 | \$ 267,595.92 |
|-------------------|---------------|-------------|---------------|

|             |           |          |           |
|-------------|-----------|----------|-----------|
| Commodities | 78,277.53 | 1,123.67 | 79,401.20 |
|-------------|-----------|----------|-----------|

|                 |           |          |           |
|-----------------|-----------|----------|-----------|
| STA-CAP Charges | 23,376.05 | 1,043.30 | 24,419.35 |
|-----------------|-----------|----------|-----------|

|                 |               |             |               |
|-----------------|---------------|-------------|---------------|
| TOTAL ALL OTHER | \$ 362,264.91 | \$ 9,151.56 | \$ 371,416.57 |
|-----------------|---------------|-------------|---------------|

CAPITAL:

|          |              |   |              |
|----------|--------------|---|--------------|
| Building | \$ 20,389.18 | - | \$ 20,389.18 |
|----------|--------------|---|--------------|

|           |           |        |           |
|-----------|-----------|--------|-----------|
| Equipment | 93,857.49 | 347.00 | 94,204.49 |
|-----------|-----------|--------|-----------|

|            |          |   |          |
|------------|----------|---|----------|
| Structures | 1,866.00 | - | 1,866.00 |
|------------|----------|---|----------|

|               |               |           |               |
|---------------|---------------|-----------|---------------|
| TOTAL CAPITAL | \$ 116,112.67 | \$ 347.00 | \$ 116,459.67 |
|---------------|---------------|-----------|---------------|

|                |                |             |                |
|----------------|----------------|-------------|----------------|
| TOT. EXPENDIT. | \$1,174,032.31 | \$47,330.47 | \$1,221,363.78 |
|----------------|----------------|-------------|----------------|

|                       |  |  |              |
|-----------------------|--|--|--------------|
| Bal. Forward, 6/30/88 |  |  | \$ 115,237.2 |
|-----------------------|--|--|--------------|

BAXTER STATE PARK  
Financial Analysis - Budget vs. Expenditures  
For FY Ending June 30, 1988

|                          |                               | BUDGET<br>PLUS OLD YEAR<br>ENCUMBRANCES | EXPENDITURES<br>PLUS CURRENT<br>ENCUMBRANCES | BALANCE  |
|--------------------------|-------------------------------|---|--|----------|
| <u>PERSONAL SERVICES</u> |                               |   |  |          |
| 3100                     | Permanent Regular             | \$ 371,800                              | \$ 355,938                                   | \$15,862 |
| 3300                     | Seasonal                      | 190,125                                 | 193,188                                      | (3,063)  |
| 3600                     | Overtime                      |   | 17,974                                       | (17,974) |
| 3800                     | Unemployment Compensation     | 22,700                                  | 16,676                                       | 6,024    |
| 3901                     | Health Insurance              | 35,000                                  | 35,576                                       | (576)    |
| 3905                     | Dental Insurance              | 2,700                                   | 2,179  | 521      |
| 3910                     | Retirement                    | 107,100                                 | 104,111                                      | 2,989    |
| 3911                     | Group Life Insurance          | 1,800                                   | 1,516  | 284      |
| 2971                     | Uniform Allowance             | 2,700                                   | 2,249  | 451      |
| 3979                     | Other Benefits                | 2,200                                   | 4,080  | (1,880)  |
|                          | TOTAL PERSONAL SERVICES       | \$ 736,125                              | \$ 733,487                                   | \$ 2,638 |
| <br><u>ALL OTHER</u>     |                               |   |  |          |
| 4000                     | Prof. Services-Not State      | \$ 104,455                              | \$ 58,488                                    | \$45,967 |
| 4100                     | Professional Services-State   | 600                                     | 386  | 214      |
| 4200                     | Travel Expense - In State     | 6,800                                   | 5,309  | 1,491    |
| 4300                     | Travel Expense - Out of State | 2,400                                   | 732  | 1,668    |
| 4400                     | Operation of State Vehicles   | 52,700                                  | 36,426                                       | 16,274   |
| 4500                     | Utilities                     | 24,800                                  | 23,771                                       | 1,029    |
| 4600                     | Rentals                       | 7,000                                   | 2,227  | 4,773    |
| 4700                     | Repairs                       | 85,978                                  | 99,853                                       | (13,875) |
| 4800                     | Insurance                     | 23,650                                  | 24,437                                       | (787)    |
| 4900                     | General Operating             | 41,600                                  | 51,252                                       | (9,652)  |
| 5100                     | Food                          | 2,500                                   | 1,520  | 980      |
| 5200                     | Fuel                          | 5,500                                   | 4,390  | 1,110    |
| 5300                     | Office Supplies               | 3,500                                   | 7,214  | (3,714)  |
| 5400                     | Clothing                      | 6,256                                   | 9,751  | (3,495)  |
| 5600                     | Miscellaneous Supplies        | 50,774                                  | 56,467                                       | (5,693)  |
| 5800                     | Highway Materials             | 3,000                                   | 352  | 2,648    |
|                          | TOTAL ALL OTHER               | \$ 421,513                              | \$ 382,575                                   | \$38,938 |
| <br><u>CAPITAL</u>       |                               |   |  |          |
| 7100                     | Buildings & Improvements      | \$ 27,085                               | \$ 20,389                                    | \$ 6,696 |
| 7200                     | Equipment                     | 117,671                                 | 120,770                                      | (3,099)  |
| 7300                     | Structures & Improvements     | 4,500                                   | 3,732  | 768      |
|                          | TOTAL CAPITAL                 | \$ 149,256                              | \$ 144,891                                   | \$ 4,365 |
| 8008                     | Interest                      | \$ -                                    | \$ 568                                       | \$ (568) |
| 8511                     | Sta Cap                       | 22,691                                  | 24,419                                       | (1,728)  |
|                          | TOTAL EXPENDITURES            | \$1,329,585                             | \$1,285,940                                  | \$43,645 |

COMPARATIVE STATEMENT OF REVENUES AND EXPENDITURES  
FISCAL YEAR 1987 AND 1988

| <u>REVENUE</u>              | <u>FY-1988</u>  | <u>FY-1987</u>  | <u>Inc./Dec.</u> | <u>%</u>  |
|-----------------------------|-----------------|-----------------|------------------|-----------|
| Use Fees                    | \$ 277,792      | \$ 234,000      | \$ 43,792        | 18.7      |
| Entrance Fees               | 61,869          | 52,045          | 9,824            | 18.9      |
| Sale of Maps and Guides     | 9,428           | 9,910           | (482)            | (4.9)     |
| Cash Over/Short             | 38              | 1               | 37               | -         |
| Refunds                     | (6,541)         | (7,466)         | 925              | 12.4      |
| Overpayments                | (3,722)         | (3,283)         | (439)            | (13.4)    |
| Misc. Revenue               | 24,950          | 11,811          | 13,139           | 111.24    |
| Forestry Operations         | 2,854           | (2,758)         | 5,612            | 203.5     |
| Trust Fund Contributions    | 860,000         | 770,000         | 90,000           | 11.7      |
| <br>NET REVENUE             | <br>\$1,226,668 | <br>\$1,064,260 | <br>\$162,408    | <br>15.3  |
| <br><u>EXPENDITURES</u>     |                 |                 |                  |           |
| Personal Services           |                 |                 |                  |           |
| Salaries Permanent          | \$ 355,938      | \$ 317,877      | \$ 38,061        | 12.0      |
| Salaries Seasonal           | 191,188         | 182,818         | 10,370           | 5.7       |
| Retro Pay                   | -               | 11,310          | (11,310)         | -         |
| Overtime                    | 17,974          | 10,932          | 7,042            | 64.4      |
| Retirement Contribution     | 104,111         | 90,192          | 13,919           | 15.4      |
| Other Benefits              | 62,276          | 52,683          | 9,593            | 18.2      |
| <br>TOTAL PERSONAL SERVICES | <br>\$ 733,487  | <br>\$ 665,812  | <br>\$ 67,675    | <br>10.2  |
| <br><u>All Other</u>        |                 |                 |                  |           |
| Contractual Services        | \$ 267,596      | \$ 214,662      | \$ 52,934        | 24.7      |
| Commodities                 | 79,401          | 59,319          | 20,082           | 33.9      |
| STA-CAP Charges             | 24,419          | 20,118          | 4,301            | 21.4      |
| <br>TOTAL ALL OTHER         | <br>\$ 371,416  | <br>\$ 294,099  | <br>\$ 77,317    | <br>26.3  |
| <br><u>Capital</u>          |                 |                 |                  |           |
| Building                    | \$ 20,389       | \$ 2,479        | \$ 17,910        | 722.5     |
| Equipment                   | 94,205          | 32,088          | 62,117           | 193.6     |
| Structures                  | 1,866           | 1,190           | 676              | 56.8      |
| <br>TOTAL CAPITAL           | <br>\$ 116,460  | <br>\$ 35,757   | <br>\$ 80,703    | <br>225.7 |
| <br>TOTAL EXPENDITURES      | <br>\$1,221,363 | <br>\$ 995,668  | <br>\$225,695    | <br>22.7  |

F. TRUST FUND INFORMATION



I. BAXTER STATE PARK AUTHORITY'S  
FINANCIAL POLICY - TRUST FUND INFORMATION

The Baxter State Park Authority's Financial Policy requires the following information to be reported to the Authority at the end of each calendar year:

- I. The Market Value of all trusts generating revenue for the support of Park operations.

Market Value = \$21,577,782.57 (12-31-88)

- II. A. The amount of Trust Fund monies used to support Park operations during calendar year 1988.

Boston Trust. . . . . \$700,000  
Casco Trust . . . . . 130,000

Total Funds Used. . . . . \$830,000

- B. The percent that total Trust Fund monies used represents in relation to the market value of trusts. 3.8

- III. The rate of inflation for 1988 as measured by the Consumer Price Index. (12 months ending 12-31-88) 4.2

- IV. A. Yearly growth rate of all Trusts 6.3

- B. Percent change of market value (year ending):
- |                                  |      |
|----------------------------------|------|
| 1. Boston principle              | 8.9  |
| 2. Boston Investment Income      | 10.3 |
| 3. Casco Trust                   | 1.0  |
| 4. State Treasurer's (Cash Pool) | 73.2 |

- V. The change in Trust Fund purchasing power during calendar year 1988.

|  |      |                                 |      |                                  |                                      |
|--|------|---------------------------------|------|----------------------------------|--------------------------------------|
| <u>Yearly growth</u><br><u>rate of trust</u> | less | <u>inflation</u><br><u>rate</u> | less | <u>% of Funds</u><br><u>Used</u> | = % Change in<br>purchasing<br>power |
| 6.3  | -    | 4.2                             | -    | 3.8                              | = (1.7)                              |

- VI. The total amount of monies from trusts allowed to support fiscal year 1989 (Re: BSPA Financial Policy - 5% of market value as of 12-31-88) \$21,577,782.57 = \$1,078,889.13



Baxter State Park Authority's  
Financial Policy - Trust Fund Information

Significant changes since the Financial Policy Report of 12-31-87 include:

An increase of \$1,296,973.31 in the market value of the Trusts.

A decrease of the inflation rate of .3 (from 4.5% to 4.2%).

A decrease in Trust Fund purchasing power of 1.7% during 1988 is substantially less than the 10.4% decrease during 1987.

Of the \$1,350,695.89 estimated annual income as of 12-31-87, 61.4% was used to support Park operations during 1988 with the remainder reinvested for growth.

BAXTER STATE PARK  
SUMMARY OF ACCOUNTS  
AS OF JUNE 30, 1988

| <u>TRUSTS GENERATING OPERATING REVENUE</u>                        | <u>BOOK VALUE</u> | <u>MARKET VALUE</u> | <u>ESTIMATED VALUE</u> | <u>CURRENT YIELD</u> | <u>% OF ASSETS</u> |
|---|-------------------|---------------------|------------------------|----------------------|--------------------|
| I. PRINCIPAL ACCOUNT<br>Boston Trust<br>(14-0068-00-8)            | \$ 11,766,725.03  | \$ 13,484,915.07    | \$ 821,307.00          | 6.1                  | 62.6               |
| II. INVESTED INCOME<br>Boston Trust<br>(14-0068-81-8)             | 4,661,919.38      | 4,761,651.75        | 369,425.00             | 7.8                  | 22.1               |
| III. STATE TRUST<br>Casco Bank<br>(A-48381)                       | 2,822,202.72      | 2,710,435.50        | 196,380.00             | 7.2                  | 12.6               |
| IV. STATE (Invested Income)<br>TREASURER'S (Cash Pool)<br>(82460) | 169,911.12        | 169,911.12          | 12,743.00              | 7.5                  | .7                 |
| SUB TOTALS  | \$19,420,758.25   | \$ 21,126,913.44    | \$1,399,855.00         |                      | 98.0               |
| <br><u>SPECIAL TRUSTS</u>   |                   |                     |                        |                      |                    |
| Baxter MacWorth Trust<br>(83071 Land Acquisition)                 | \$ 413,873.91     | \$ 410,162.58       | \$ 30,752.00           | 7.5                  | 2.0                |
| TOTAL ALL TRUSTS  | \$19,835,632.16   | \$ 21,537,076.02    | \$1,430,607.00         | 6.6                  | 100.0              |

IV. BAXTER STATE PARK  
SUMMARY OF ACCOUNTS  
as of December 31, 1988

| TRUSTS GENERATING<br>OPERATING REVENUE                 | BOOK<br>VALUE   | MARKET<br>VALUE | ESTIMATED<br>VALUE | CURRENT<br>YIELD | % OF<br>ASSETS |
|--|-----------------|-----------------|--------------------|------------------|----------------|
| I. PRINCIPAL ACCOUNT<br>Boston Trust                   |                 |                 |                    |                  |                |
| (14-0068-00-8)   | \$12,412,990.11 | \$13,784,486.18 | \$ 909,318         | 6.6              | 62.6           |
| II. INVESTED INCOME<br>Boston Trust                    |                 |                 |                    |                  |                |
| (14-0068-81-8)   | 4,964,073.79    | 4,962,740.03    | 413,807            | 8.3              | 22.6           |
| III. STATE TRUST<br>Casco Bank                         |                 |                 |                    |                  |                |
| (A-48381)  | 2,837,964.53    | 2,657,087.31    | 204,899            | 7.7              | 12.1           |
| IV. STATE (Invested Income)<br>Treasurer's (Cash Pool) |                 |                 |                    |                  |                |
| (82460)  | 173,469.05      | 173,469.05      | 14,224             | 8.2              | .8             |
| SUB TOTALS   | \$20,388,497.48 | \$21,577,782.57 | \$1,542,248        | 7.1              | 98.1           |
| SPECIAL TRUSTS   |                 |                 |                    |                  |                |
| Baxter MacWorth Trust<br>(83071) Land Acquisition)     | \$ 426,580.75   | \$ 418,646.80   | \$ 33,793          | 8.1              | 1.9            |
| SUB TOTAL  | \$ 426,580.75   | \$ 418,646.80   | \$ 33,793          | 8.1              | 1.9            |
| TOTAL ALL TRUSTS                                       | \$20,815,078.23 | \$21,996,429.37 | \$1,576,041        | 7.2              | 100            |

BAXTER STATE PARK  
 MARKET VALUE OF TRUST ASSETS  
 June 30, 1979 to June 30, 1988

|      | <u>BOSTON TRUST<br/>PRINCIPAL</u> | <u>INVESTED<br/>INCOME</u> | <u>STATE<br/>HELD TRUST</u> | <u>TOTAL</u> |
|------|-----------------------------------|----------------------------|-----------------------------|--------------|
| 1979 | \$ 6,709,749                      | \$ 707,511                 | \$1,769,369                 | \$ 9,186,629 |
| 1980 | \$ 7,003,738                      | \$ 947,302                 | \$1,791,821                 | \$ 9,742,861 |
| 1981 | \$ 7,320,493                      | \$1,169,962                | \$1,645,692                 | \$10,136,147 |
| 1982 | \$ 6,819,945                      | \$1,166,239                | \$1,698,045                 | \$ 9,684,229 |
| 1983 | \$ 9,064,737                      | \$1,497,313                | \$2,229,054                 | \$12,791,104 |
| 1984 | \$ 8,678,249                      | \$2,081,655                | \$2,084,622                 | \$12,844,526 |
| 1985 | \$10,777,407                      | \$2,718,503                | \$2,405,893                 | \$15,901,803 |
| 1986 | \$13,736,002                      | \$3,774,155                | \$2,779,121                 | \$20,289,278 |
| 1987 | \$14,025,261                      | \$4,406,487                | \$2,810,862                 | \$21,242,610 |
| 1988 | \$13,484,915                      | \$4,761,652                | \$2,710,436                 | \$20,957,003 |



## G. STATISTICAL REPORT

BAXTER STATE PARK  
GATE STATISTICS - 1988  
ENTRANCE PERMITS ISSUED - BY LOCATION

|                         | NUMBER OF VEHICLES |            |             | NUMBER OF CAMPERS |            |             | NUMBER OF DAY USERS |            |             | NUMBER OF TRANSIENTS |           |            | TOTAL VISITORS |
|-------------------------|--------------------|------------|-------------|-------------------|------------|-------------|---------------------|------------|-------------|----------------------|-----------|------------|----------------|
|                         | RES.               | NON-RES.   | TOTAL       | RES.              | NON-RES.   | TOTAL       | RES.                | NON-RES.   | TOTAL       | RES.                 | NON-RES.  | TOTAL      |                |
| Togue Pond Gate         |                    |            |             |                   |            |             |                     |            |             |                      |           |            |                |
| May                     | 1266               | 548        | 1814        | 765               | 473        | 1238        | 2535                | 842        | 3377        | 199                  | 87        | 286        | 4901           |
| June                    | 2002               | 1042       | 3044        | 1573              | 1140       | 2713        | 4038                | 1284       | 5322        | 371                  | 146       | 517        | 8552           |
| July                    | 2892               | 2373       | 5265        | 2467              | 2715       | 5182        | 6762                | 3494       | 10256       | 411                  | 351       | 762        | 16200          |
| August                  | 2446               | 3037       | 5483        | 1739              | 2845       | 4584        | 5688                | 5029       | 10717       | 341                  | 416       | 757        | 16058          |
| September               | 2293               | 1996       | 4289        | 1665              | 1988       | 3653        | 4484                | 2433       | 6917        | 247                  | 153       | 400        | 10970          |
| October                 | <u>931</u>         | <u>604</u> | <u>1535</u> | <u>561</u>        | <u>588</u> | <u>1149</u> | <u>1986</u>         | <u>740</u> | <u>2726</u> | <u>113</u>           | <u>67</u> | <u>180</u> | <u>4055</u>    |
| Subtotal Tog. Pd.       | 11830              | 9600       | 21430       | 8770              | 9749       | 18519       | 25493               | 13822      | 39315       | 1682                 | 1220      | 2902       | 60736          |
| Nesowadnehunk/West Gate |                    |            |             |                   |            |             |                     |            |             |                      |           |            |                |
| May                     | 111                | 32         | 143         | 60                | 10         | 70          | 141                 | 25         | 166         | 63                   | 35        | 98         | 334            |
| June                    | 217                | 44         | 261         | 60                | 22         | 82          | 100                 | 31         | 131         | 197                  | 43        | 240        | 453            |
| July                    | 217                | 80         | 297         | 19                | 45         | 64          | 277                 | 100        | 377         | 293                  | 96        | 389        | 830            |
| August                  | 191                | 167        | 358         | 26                | 89         | 115         | 271                 | 336        | 607         | 175                  | 88        | 263        | 985            |
| September               | 271                | 71         | 342         | 34                | 40         | 74          | 216                 | 53         | 269         | 253                  | 85        | 338        | 681            |
| October                 | <u>62</u>          | <u>21</u>  | <u>83</u>   | <u>11</u>         | <u>11</u>  | <u>22</u>   | <u>49</u>           | <u>12</u>  | <u>61</u>   | <u>71</u>            | <u>37</u> | <u>108</u> | <u>191</u>     |
| Subtotal Nes./West      | 1069               | 415        | 1484        | 210               | 217        | 427         | 1054                | 557        | 1611        | 1052                 | 384       | 1436       | 3474           |
| Matagamon Gate          |                    |            |             |                   |            |             |                     |            |             |                      |           |            |                |
| May                     | 417                | 94         | 511         | 230               | 83         | 313         | 750                 | 89         | 839         | 159                  | 54        | 213        | 1365           |
| June                    | 449                | 182        | 631         | 298               | 155        | 453         | 882                 | 194        | 1076        | 219                  | 109       | 328        | 1857           |
| July                    | 760                | 476        | 1236        | 783               | 542        | 1325        | 1369                | 666        | 2035        | 313                  | 121       | 434        | 3794           |
| August                  | 579                | 587        | 1166        | 544               | 633        | 1177        | 1185                | 802        | 1987        | 160                  | 246       | 406        | 3570           |
| September               | 445                | 321        | 766         | 329               | 244        | 573         | 812                 | 428        | 1240        | 105                  | 93        | 198        | 2011           |
| October                 | <u>175</u>         | <u>99</u>  | <u>274</u>  | <u>63</u>         | <u>27</u>  | <u>90</u>   | <u>436</u>          | <u>207</u> | <u>643</u>  | <u>10</u>            | <u>37</u> | <u>47</u>  | <u>780</u>     |
| Subtotal Matagamon      | 2825               | 1759       | 4584        | 2247              | 1684       | 3931        | 5434                | 2386       | 7820        | 966                  | 660       | 1626       | 13377          |
| TOTAL                   | 15724              | 11774      | 27498       | 11227             | 11650      | 22877       | 31981               | 16765      | 48746       | 3700                 | 2264      | 5964       | 77587          |

BAXTER STATE PARK  
GATE STATISTICS - 1988  
ENTRANCE PERMITS ISSUED - BY MONTH

|                    | NUMBER OF VEHICLES |            |             | NUMBER OF CAMPERS |            |             | NUMBER OF DAY USERS |            |             | NUMBER OF TRANSIENTS |            |            | TOTAL VISITORS |
|--------------------|--------------------|------------|-------------|-------------------|------------|-------------|---------------------|------------|-------------|----------------------|------------|------------|----------------|
|                    | RES.               | NON-RES.   | TOTAL       | RES.              | NON-RES.   | TOTAL       | RES.                | NON-RES.   | TOTAL       | RES.                 | NON-RES.   | TOTAL      |                |
| May                |                    |            |             |                   |            |             |                     |            |             |                      |            |            |                |
| Togue Pond         | 1266               | 548        | 1814        | 765               | 473        | 1238        | 2535                | 842        | 3377        | 199                  | 87         | 286        | 4901           |
| Nesowadnehunk      | 111                | 32         | 143         | 60                | 10         | 70          | 141                 | 25         | 166         | 63                   | 35         | 98         | 334            |
| Matagamom          | <u>417</u>         | <u>94</u>  | <u>511</u>  | <u>230</u>        | <u>83</u>  | <u>313</u>  | <u>750</u>          | <u>89</u>  | <u>839</u>  | <u>159</u>           | <u>54</u>  | <u>213</u> | <u>1365</u>    |
| Subtotal May       | 1794               | 674        | 2468        | 1055              | 566        | 1621        | 3426                | 956        | 4382        | 421                  | 176        | 597        | 6600           |
| June               |                    |            |             |                   |            |             |                     |            |             |                      |            |            |                |
| Togue Pond         | 2002               | 1042       | 3044        | 1573              | 1140       | 2713        | 4038                | 1284       | 5322        | 371                  | 146        | 517        | 8552           |
| Nesowadnehunk      | 217                | 44         | 261         | 60                | 22         | 82          | 100                 | 31         | 131         | 197                  | 43         | 240        | 453            |
| Matagamom          | <u>449</u>         | <u>182</u> | <u>631</u>  | <u>298</u>        | <u>155</u> | <u>453</u>  | <u>882</u>          | <u>194</u> | <u>1076</u> | <u>219</u>           | <u>109</u> | <u>328</u> | <u>1857</u>    |
| Subtotal June      | 2668               | 1268       | 3936        | 1931              | 1317       | 3248        | 5020                | 1509       | 6529        | 787                  | 298        | 1085       | 10862          |
| Year to Date       | 4462               | 1942       | 6404        | 2986              | 1883       | 4869        | 8446                | 2465       | 10911       | 1208                 | 474        | 1682       | 17462          |
| July               |                    |            |             |                   |            |             |                     |            |             |                      |            |            |                |
| Togue Pond         | 2892               | 2373       | 5265        | 2467              | 2715       | 5182        | 6762                | 3494       | 10256       | 411                  | 351        | 762        | 16200          |
| Nesowadnehunk/West | 217                | 80         | 297         | 19                | 45         | 64          | 277                 | 100        | 377         | 293                  | 96         | 389        | 830            |
| Matagamom          | <u>760</u>         | <u>476</u> | <u>1236</u> | <u>783</u>        | <u>542</u> | <u>1325</u> | <u>1369</u>         | <u>666</u> | <u>2035</u> | <u>313</u>           | <u>121</u> | <u>434</u> | <u>3794</u>    |
| Subtotal July      | 3869               | 2929       | 6798        | 3269              | 3302       | 6571        | 8408                | 4260       | 12668       | 1017                 | 568        | 1585       | 20824          |
| Year to Date       | 8331               | 4871       | 13202       | 6255              | 5185       | 11440       | 16854               | 6725       | 23579       | 2225                 | 1042       | 3267       | 38286          |
| August             |                    |            |             |                   |            |             |                     |            |             |                      |            |            |                |
| Togue Pond         | 2446               | 3037       | 5483        | 1739              | 2845       | 4584        | 5688                | 5029       | 10717       | 341                  | 416        | 757        | 16058          |
| West               | 191                | 167        | 358         | 26                | 89         | 115         | 271                 | 336        | 607         | 175                  | 88         | 263        | 985            |
| Matagamom          | <u>579</u>         | <u>587</u> | <u>1166</u> | <u>544</u>        | <u>633</u> | <u>1177</u> | <u>1185</u>         | <u>802</u> | <u>1987</u> | <u>160</u>           | <u>246</u> | <u>406</u> | <u>3570</u>    |
| Subtotal August    | 3216               | 3791       | 7007        | 2309              | 3567       | 5876        | 7144                | 6167       | 13311       | 676                  | 750        | 1426       | 20613          |
| Year to Date       | 11547              | 8662       | 20209       | 8564              | 8752       | 17316       | 23998               | 12892      | 36890       | 2901                 | 1792       | 4693       | 58899          |
| September          |                    |            |             |                   |            |             |                     |            |             |                      |            |            |                |
| Togue Pond         | 2293               | 1996       | 4289        | 1665              | 1988       | 3653        | 4484                | 2433       | 6917        | 247                  | 153        | 400        | 10970          |
| West               | 271                | 71         | 342         | 34                | 40         | 74          | 216                 | 53         | 269         | 253                  | 85         | 338        | 681            |
| Matagamom          | <u>445</u>         | <u>321</u> | <u>766</u>  | <u>329</u>        | <u>244</u> | <u>573</u>  | <u>812</u>          | <u>428</u> | <u>1240</u> | <u>105</u>           | <u>93</u>  | <u>198</u> | <u>2011</u>    |
| Subtotal Sept.     | 3009               | 2388       | 5397        | 2028              | 2272       | 4300        | 5512                | 2914       | 8426        | 605                  | 331        | 936        | 13622          |
| Year to Date       | 14556              | 11050      | 25606       | 10592             | 11024      | 21616       | 29510               | 15806      | 45316       | 3506                 | 2123       | 5629       | 72561          |
| October            |                    |            |             |                   |            |             |                     |            |             |                      |            |            |                |
| Togue Pond         | 931                | 604        | 1535        | 561               | 588        | 1149        | 1986                | 740        | 2726        | 113                  | 67         | 180        | 4055           |
| West               | 62                 | 21         | 83          | 11                | 11         | 22          | 49                  | 12         | 61          | 71                   | 37         | 108        | 191            |
| Matagamom          | <u>175</u>         | <u>99</u>  | <u>274</u>  | <u>63</u>         | <u>27</u>  | <u>90</u>   | <u>436</u>          | <u>207</u> | <u>643</u>  | <u>10</u>            | <u>37</u>  | <u>47</u>  | <u>780</u>     |
| Subtotal Oct.      | 1168               | 724        | 1892        | 635               | 626        | 1261        | 2471                | 959        | 3430        | 194                  | 141        | 335        | 5026           |
| Total              | 15724              | 11774      | 27498       | 11227             | 11650      | 22877       | 31981               | 16765      | 48746       | 3700                 | 2264       | 5964       | 77587          |



BAXTER STATE PARK  
COMPARATIVE STATISTICS 1987-88  
VISITORS

|                    | <u>1987</u> | <u>1988</u> | <u>Increased<br/>(Decrease)</u> | <u>1987**<br/>Lodge<br/>Guests</u> |
|--------------------|-------------|-------------|---------------------------------|------------------------------------|
| May                |             |             |                                 |                                    |
| Togue Pond         | 4822        | 4901        | 79                              | 129                                |
| Nesowadnehunk      | 511         | 334         | (177)                           | 1                                  |
| Matagamon          | <u>1338</u> | <u>1365</u> | <u>27</u>                       | <u>0</u>                           |
| Subtotal May       | 6671        | 6600        | (71)                            | 130                                |
| June               |             |             |                                 |                                    |
| Togue Pond         | 9115        | 8552        | (563)                           | 165                                |
| Nesowadnehunk      | 1008        | 453         | (555)                           | 1                                  |
| Matagamon          | <u>1949</u> | <u>1857</u> | <u>(92)</u>                     | <u>0</u>                           |
| Subtotal June      | 12072       | 10862       | (1210)                          | 166                                |
| July               |             |             |                                 |                                    |
| Togue Pond         | 16523       | 16200       | (323)                           | 122                                |
| Nesowadnehunk/West | 1334        | 830         | (504)                           | 3                                  |
| Matagamon          | <u>3653</u> | <u>3794</u> | <u>141</u>                      | <u>0</u>                           |
| Subtotal July      | 21510       | 20824       | (686)                           | 125                                |
| August             |             |             |                                 |                                    |
| Togue Pond         | 18859       | 16058       | (2801)                          | 180                                |
| Nesowadnehunk/West | 1165        | 985         | (180)                           | 0                                  |
| Matagamon          | <u>3706</u> | <u>3570</u> | <u>(136)</u>                    | <u>0</u>                           |
| Subtotal July      | 23730       | 20613       | (3117)                          | 180                                |
| September          |             |             |                                 |                                    |
| Togue Pond         | 10576       | 10970       | 394                             | 62                                 |
| Nesowadnehunk/West | 1174        | 681         | (503)                           | 2                                  |
| Matagamon          | <u>1906</u> | <u>2011</u> | <u>105</u>                      | <u>0</u>                           |
| Subtotal September | 13646       | 13662       | (4)                             | 64                                 |
| October            |             |             |                                 |                                    |
| Togue Pond         | 3605        | 4055        | 450                             | 0                                  |
| Nesowadnehunk/West | 46          | 191         | 145                             | 0                                  |
| Matagamon          | <u>737</u>  | <u>780</u>  | <u>43</u>                       | <u>0</u>                           |
| Subtotal October   | 4388        | 5026        | 638                             | 0                                  |
| Total Year to Date | 82017       | 77587       | (4430)                          | 665                                |

BAXTER STATE PARK  
WEST GATE STATISTICS - 1988  
July 18 - October 15, 1988

Total Entrants at West Gate - 928 Vehicles

|    |   |                     |                                  |               |
|----|---|---------------------|----------------------------------|---------------|
| A. | Transient Traffic Exiting Other Gates         | 295 Vehicles of 928 | Total                            | 31.79%        |
|    | 1. Togue Pond Gate                            | 179 Vehicles of 928 |                                  | (19.29%)      |
|    | 2. Matagamon Gate                             | 112 Vehicles of 928 |                                  | (12.07%)      |
|    | 3. Telos Gate                                 | 4 Vehicles of 928   |                                  | (.43%)        |
| B. | Transient Traffic to Nesowadnehunk Lake       | 191 Vehicles of 928 |                                  | 20.58%        |
|    | 1. Public Landing (Fishermen)                 | 166 Vehicles of 928 |                                  | (17.89%)      |
|    | 2. Camp Phoenix                               | 17 Vehicles of 928  |                                  | (1.83%)       |
|    | 3. Daisey's Camp                              | 8 Vehicles of 928   |                                  | (.86%)        |
|    | TOTAL TRANSIENT VEHICLES - WEST GATE/88       | 486 Vehicles of 928 |                                  | 52.37%        |
| C. | Day-Use Traffic Thru West Gate                | 339 Vehicles of 928 |                                  | 36.53%        |
|    | 1. Misc.-Sightseeing, Picnicing, hiking       | 272 Vehicles of 928 |                                  | (29.31%)      |
|    | 2. Ledge Falls                                | 40 Vehicles of 928  |                                  | (4.31%)       |
|    | 3. Fishing in BSP                             | 27 Vehicles of 928  |                                  | (2.91%)       |
| D. | Camping in Baxter State Park                  | 103 Vehicles of 928 | Total                            | (11.10%)      |
| E. | Total of West Gate Entrance Statistics - 1988 |                     |                                  |               |
|    | Transient Vehicles -                          | 486                 |                                  | 52.37%        |
|    | Day-Use Vehicles -                            | 339                 |                                  | 36.53%        |
|    | Camping Vehicles -                            | <u>103</u>          |                                  | <u>11.10%</u> |
|    | Total   | 928                 |                                  | 100 %         |
| F. | West Gate Operating Costs and Income:         |                     |                                  |               |
|    | 1. Gatekeeper (2) wages -                     | \$12,650.00         | for 12 hrs. of operation per day |               |
|    | 2. Entrance fees collected -                  | <u>\$ 2,940.00</u>  |                                  |               |
|    | 3. Deficit                                    | <u>\$ 9,710.00</u>  |                                  |               |

**BAXTER STATE PARK**

**Camper Days Use by Location and Activity**

**WINTER SEASON 1987-1988**

| O V E R N I G H T     C A M P I N G |                  |                |                 |                    |                 |      |                    |                    |                              |                         |
|-------------------------------------|------------------|----------------|-----------------|--------------------|-----------------|------|--------------------|--------------------|------------------------------|-------------------------|
| MONTH                               | ROARING<br>BROOK | DAICEY<br>POND | CHIMNEY<br>POND | KATAHDIN<br>STREAM | RUSSELL<br>POND | ABOL | SO. BRANCH<br>POND | NESOWA-<br>DNEHUNK | TOTAL<br>NUMBER OF<br>PEOPLE | TOTAL<br>CAMP<br>NIGHTS |
| December                            | 13               | 8              | 30              | 4                  | -               | 14   | 33                 | -                  | 37                           | 102                     |
| January                             | 119              | 61             | 149             | 10                 | 29              | -    | 28                 | -                  | 138                          | 396                     |
| February                            | 177              | 38             | 323             | 44                 | 84              | 23   | 88                 | 12                 | 253                          | 789                     |
| March                               | 46               | 26             | 198             | 49                 | -               | -    | 16                 | -                  | 150                          | 335                     |
| April                               | -                | -              | -               | -                  | -               | -    | -                  | -                  |                              |                         |
| TOTALS                              | 355              | 133            | 700             | 107                | 113             | 37   | 165                | 12                 | 578                          | 1,622                   |

| C A M P I N G     A C T I V I T I E S |                    |                       |                             |                  |       |
|---------------------------------------|--------------------|-----------------------|-----------------------------|------------------|-------|
| CAMPER NIGHTS                         |                    |                       | DAY-USE                     |                  |       |
| MONTH                                 | GENERAL<br>CAMPING | TECHNICAL<br>CLIMBING | SKIING/<br>SNOW-<br>SHOEING | SNOW<br>MOBILING | TOTAL |
| December                              | 54                 | 48                    | 44                          | 44               | 190   |
| January                               | 242                | 154                   | 140                         | 334              | 870   |
| February                              | 402                | 387                   | 369                         | 428              | 1,586 |
| March                                 | 122                | 213                   | 64                          | 25               | 424   |
| April                                 | -                  | -                     | -                           | -                |       |
| TOTALS                                | 820                | 802                   | 617                         | 831              | 3,070 |

BAXTER STATE PARK COMPARATIVE STATISTICS - 1988

GATEHOUSE STATISTICS:

|                 |             |             |             |             | <u>SUMMER<br/>USE</u> | <u>DETAIL<br/>1988</u> |
|-----------------|-------------|-------------|-------------|-------------|-----------------------|------------------------|
|                 |             |             |             |             | <u>Day use</u>        |                        |
| <u>Persons:</u> | <u>1985</u> | <u>1986</u> | <u>1987</u> | <u>1988</u> | <u>Trans.</u>         | <u>Campers</u>         |
| Resident        | 46,321      | 49,459      | 50,612      | 46,908      | 35,681                | 11,227                 |
| Non-Resident    | 26,492      | 25,579      | 31,415      | 30,679      | 19,029                | 11,650                 |
| TOTAL           | 72,813      | 75,038      | 82,027      | 77,587      | 54,710                | 22,877                 |
| Day Use         | 40,613      | 41,589      | 45,980      | 48,746      | 48,746                | -                      |
| Transient       | 10,501      | 12,267      | 13,013      | 5,964       | 5,964                 | -                      |
| Campers         | 21,033      | 20,415      | 22,290      | 22,877      | -                     | 22,877                 |
| Lodge Guests    | 666         | 767         | 744         | -           | -                     | -                      |
| TOTAL           | 72,813      | 75,038      | 82,027      | 77,587      | 54,710                | 22,877                 |

VEHICLES:

|                     |        |        |        |        |
|---------------------|--------|--------|--------|--------|
| Togue Pond          | 19,813 | 20,106 | 22,387 | 21,430 |
| Matagamon           | 4,234  | 4,331  | 4,740  | 4,584  |
| Nesowadnehunk, West | 919    | 2,237  | 2,221  | 1,484  |
| TOTAL               | 24,966 | 26,674 | 29,348 | 27,498 |

CAMPGROUND STATISTICS:

|                      |             |             |             |             | <u>DETAIL<br/>USE</u> | <u>CAMPER<br/>1988</u> |
|----------------------|-------------|-------------|-------------|-------------|-----------------------|------------------------|
| <u>CAMPER DAYS:</u>  | <u>1985</u> | <u>1986</u> | <u>1987</u> | <u>1988</u> | <u>Cmpgrds.</u>       | <u>Grp.Ar.</u>         |
| <u>Campgrounds:</u>  |             |             |             |             |                       |                        |
| Roaring Brook        | 10,470      | 9,622       | 10,473      | 10,543      | 7,535                 | 3,008                  |
| Abol                 | 5,380       | 4,988       | 5,415       | 5,621       | 5,621                 |                        |
| Katahdin Stream      | 9,241       | 9,476       | 9,992       | 10,705      | 7,382                 | 3,323                  |
| Daicey Pond          | 4,500       | 4,635       | 4,863       | 4,871       | 4,871                 |                        |
| Nesowadnehunk        | 4,975       | 4,703       | 5,787       | 5,890       | 4,602                 | 1,288                  |
| Trout Brook Farm     | 3,102       | 2,500       | 3,266       | 4,193       | 2,710                 | 1,483                  |
| South Branch Pond    | 9,174       | 8,472       | 9,375       | 9,331       | 9,331                 |                        |
| Russell Pond         | 2,811       | 2,719       | 2,890       | 3,028       | 3,028                 |                        |
| Chimney Pond         | 3,786       | 3,623       | 3,688       | 3,756       | 3,756                 |                        |
| SUB-TOT. CAMPGROUNDS | 53,439      | 50,738      | 55,749      | 57,938      | 48,836                | 9,102                  |

Outlying Sites:

|                         |        |        |        |        |
|-------------------------|--------|--------|--------|--------|
| South Branch Area       | 342    | 381    | 466    | 501    |
| Fowler Area             | 685    | 680    | 785    | 1,005  |
| Webster Area            | 1,004  | 909    | 1,101  | 1,491  |
| AT Shelter              | 97     | 111    | 324    | 171    |
| Davis Pond Area         | 225    | 240    | 243    | 241    |
| Wassataquoik Area       | 835    | 717    | 773    | 864    |
| SUB-TOT. OUTLY. SITES   | 3,188  | 3,038  | 3,692  | 4,273  |
| TOT. SUMMER OUTLY. DAYS | 56,627 | 53,776 | 59,441 | 62,211 |

|                       |              |              |              |
|-----------------------|--------------|--------------|--------------|
| <u>VISITOR DAYS:</u>  | <u>85-86</u> | <u>86-87</u> | <u>87-88</u> |
| Camper Days-Summer    | 56,627       | 53,776       | 59,441       |
| Day Use/Transient     | 51,114       | 53,856       | 58,988       |
| TOT. SUM. VISIT. DAYS | 107,741      | 107,632      | 118,429      |

|                         |         |         |         |
|-------------------------|---------|---------|---------|
| Camper Days-Winter      | 1,403   | 919     | 1,622   |
| Day Use-Winter          | 1,126   | 1,200   | 1,448   |
| TOT. WINTER VISIT. DAYS | 2,529   | 2,119   | 3,070   |
| TOT. PARK VISIT. DAYS   | 110,270 | 109,751 | 121,499 |

TRAIL USE SUMMARY - 1988

| <u>TRAIL:</u>             | <u>May</u> | <u>June</u> | <u>July</u> | <u>August</u> | <u>Sept.</u> | <u>Oct.</u> | <u>Total Hikers</u> |
|---------------------------|------------|-------------|-------------|---------------|--------------|-------------|---------------------|
| <u>KATAHDIN STREAM:</u>   |            |             |             |               |              |             |                     |
| Hunt                      | 176        | 730         | 1,608       | 2,206         | 1,345        | 195         | 6,260               |
| Owl                       | 23         | 83          | 303         | 346           | 310          | 15          | 1,080               |
| Marston                   | 2          | 18          | 16          | 33            | 44           | 9           | 122                 |
| Mt. Coe                   | 0          | 17          | 18          | 12            | 32           | 6           | 85                  |
| Grassy Pond               | 194        | 146         | 550         | 611           | 521          | 80          | 2,102               |
| Double Top So.            | 6          | 17          | 18          | 74            | 10           | 7           | 132                 |
| O.J.I.                    | 18         | 21          | 69          | 46            | 33           | 5           | 192                 |
| Togue Pond Beach          |            |             |             |               |              |             |                     |
| <u>ABOL:</u>              |            |             |             |               |              |             |                     |
| Abol Beach                | 193        | 531         | 1,114       | 762           | 287          | 43          | 2,930               |
| Abol Trail                | 412        | 548         | 1,000       | 1,313         | 1,079        | 334         | 4,686               |
| Abol Falls                | 8          | 59          | 97          | 137           | 97           | 28          | 426                 |
| <u>ROARING BROOK:</u>     |            |             |             |               |              |             |                     |
| Chimney                   | 530        | 2,082       | 3,580       | 4,036         | 3,142        | 1,036       | 14,406              |
| Helon Taylor              | 212        | 453         | 653         | 750           | 567          | 84          | 2,719               |
| Sandy Stream              | 681        | 1,222       | 2,195       | 2,437         | 1,130        | 465         | 8,130               |
| So. Turner                | 229        | 199         | 495         | 516           | 375          | 119         | 1,933               |
| Russell Pond              | 109        | 452         | 582         | 678           | 452          | 119         | 2,392               |
| Nature Trail              | 26         | 136         | 239         | 252           | 190          | 50          | 893                 |
| <u>SOUTH BRANCH POND:</u> |            |             |             |               |              |             |                     |
| So. Branch Falls          | 26         | 41          | 70          | 80            | 43           | 27          | 287                 |
| Ledges                    | 18         | 15          | 63          | 54            | 25           | 7           | 182                 |
| Howe Brook                | 49         | 52          | 205         | 202           | 109          | 8           | 625                 |
| N. Traveler               | 88         | 142         | 241         | 349           | 191          | 67          | 1,078               |
| Center Ridge              | 6          | 17          | 60          | 38            | 47           | 15          | 183                 |
| So. Br. Mtn.              | 9          | 64          | 82          | 129           | 105          | 37          | 426                 |
| Pogy Notch                | 58         | 125         | 107         | 235           | 229          | 76          | 830                 |
| Burnt Mtn.                |            |             |             |               |              |             |                     |
| Middle Fowler             | 17         | 34          | 54          | 51            | 20           | 7           | 183                 |
| Other                     |            |             |             |               |              |             |                     |
| <u>NESOWADNEHUNK:</u>     |            |             |             |               |              |             |                     |
| Double Top                | 11         | 15          | 103         | 138           | 65           | 64          | 396                 |
| Marston                   |            | 2           | 6           | 7             | 2            | 4           | 21                  |
| Center Mtn.               |            |             |             |               |              |             |                     |
| N. Brother                |            |             |             | 2             |              | 2           | 4                   |
| S. Brother                |            |             |             | 6             |              | 2           | 8                   |
| Wass. Lake Trail          | 2          | 5           | 4           | 2             | 11           | 7           | 31                  |
| <u>CHIMNEY POND:</u>      |            |             |             |               |              |             |                     |
| Dudley                    | 88         | 546         | 847         | 939           | 686          | 180         | 3,286               |
| Cathedral                 | 188        | 635         | 906         | 971           | 923          | 200         | 3,823               |
| Saddle                    | 19         | 793         | 1,576       | 1,432         | 1,184        | 210         | 5,214               |
| Hamlin                    | 5          | 79          | 80          | 86            | 105          | 60          | 415                 |
| N. Basin                  | 13         | 115         | 62          | 90            | 131          | 117         | 528                 |
| N. Peaks                  |            | 10          | 1           |               | 23           | 1           | 35                  |
| N.W. Basin                |            | 56          | 50          | 93            | 78           | 21          | 298                 |
| <u>DAICEY POND:</u>       |            |             |             |               |              |             |                     |
| Niagara Falls             | 348        | 540         | 1,305       | 1,406         | 870          | 310         | 4,779               |
| D.P. Nature Trail         | 65         | 120         | 406         | 351           | 291          | 105         | 1,338               |
| Lost Pond Trail           | 22         | 26          | 47          | 91            | 87           | 9           | 282                 |
| Sentinal Mt. Trail        | 21         | 25          | 167         | 98            | 115          | 25          | 451                 |
| A.T. to Katahdin          |            | 2           | 34          | 130           | 89           | 36          | 291                 |
| Daicey to Grassy          | 68         | 68          | 286         | 373           | 296          | 61          | 1,152               |
| Daicey to Elbow           | 47         | 25          | 125         | 169           | 127          | 53          | 546                 |
| Daicey to Kidney          | 78         | 59          | 123         | 250           | 99           | 23          | 632                 |
| Doubletop                 | 11         |             |             |               |              |             | 11                  |
| <u>RUSSELL POND:</u>      |            |             |             |               |              |             |                     |
| Russell Pond Trail        | 133        | 409         | 430         | 554           | 295          | 82          | 1,903               |
| Wass. Stream Trail        | 20         | 169         | 234         | 247           | 168          | 65          | 903                 |
| Pogy Notch Trail          | 33         | 128         | 117         | 169           | 100          | 20          | 567                 |
| Wass. Lake Trail          | 124        | 329         | 301         | 361           | 226          | 54          | 1,395               |
| N.W. Basin Trail          | 10         | 109         | 168         | 212           | 112          | 36          | 647                 |
| N. Peaks Trail            | 8          | 6           | 9           | 60            | 30           | 4           | 117                 |
| Grand Falls Trail         | 22         | 87          | 104         | 184           | 70           | 16          | 483                 |
| Lookout Trail             | 20         | 35          | 81          | 87            | 84           | 12          | 319                 |
|                           | 4,446      | 11,597      | 20,991      | 23,855        | 16,650       | 4,618       | 82,157              |

CLASS DAYS SUMMARY - 1988

CONDITIONS CONCERNING WHEN KATAHDIN IS CLOSED OR OPEN ABOVE TREELINE

Class 1 - Open - A good day.

Class 2 - Open but not recommended for climbing.

Class 3 - Open but not recommended; one or more trails closed -  
trails closed to be named by Ranger when setting  
Class Day.

Class 4 - Mandatory closure of all trails above treeline.

The Ranger at Chimney Pond is responsible for determining the Class Day of Katahdin. Closing applies only to portions of trails above treeline. Portions of trails below treeline will remain open.

NUMBER OF CLASS DAYS

| <u>YEAR</u> | <u>CLASS 1</u> | <u>CLASS 2</u> | <u>CLASS 3</u> | <u>CLASS 4</u> |
|-------------|----------------|----------------|----------------|----------------|
| 1982        | 51             | 80             | 7              | 0              |
| 1983        | 50             | 93             | 2              | 0              |
| 1984        | 47             | 70             | 22             | 6              |
| 1985        | 53             | 84             | 9              | 2              |
| 1986        | 36             | 102            | 13             | 0              |
| 1987        | 47             | 97             | 12             | 0              |
| 1988        | 32             | 89             | 23             | 11             |

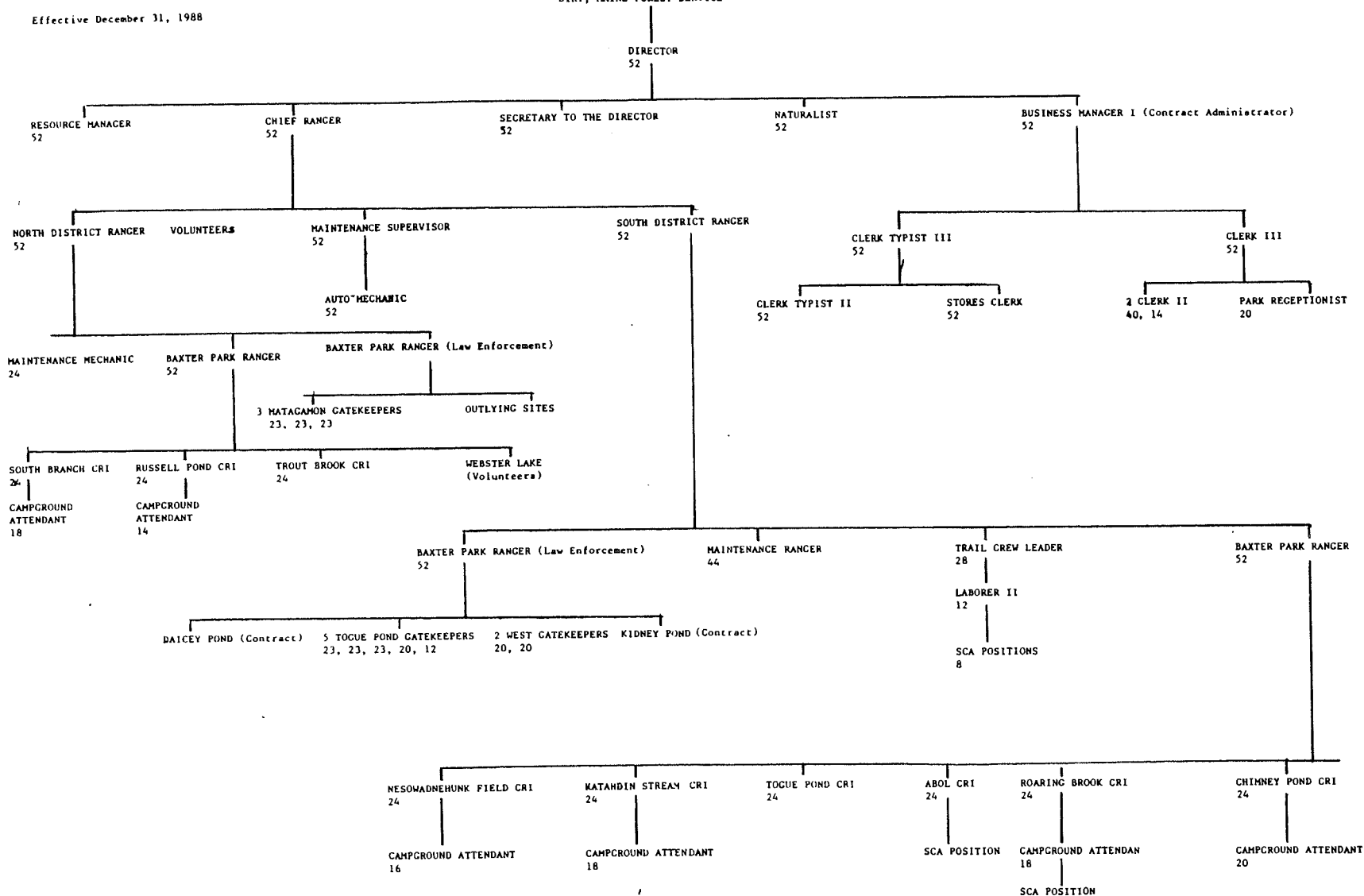
BAXTER STATE PARK  
Camper Days Summary  
1988

| <u>Campgrounds</u>    | <u>May</u> | <u>June</u> | <u>July</u> | <u>Aug.</u> | <u>Sept.</u> | <u>Oct.</u> | <u>Total</u> | <u>% of<br/>Total<br/>Camper<br/>Day</u> |
|-----------------------|------------|-------------|-------------|-------------|--------------|-------------|--------------|--|
| Roaring Brook         | 624        | 1,188       | 1,855       | 1,931       | 1,433        | 504         | 7,535        | 12.1                                     |
| Abol                  | 372        | 732         | 1,574       | 1,628       | 1,060        | 255         | 5,621        | 9.0                                      |
| Katahdin Stream       | 581        | 1,140       | 1,954       | 1,804       | 1,386        | 517         | 7,382        | 11.8                                     |
| Daicey Pond           | 472        | 761         | 1,084       | 1,145       | 941          | 468         | 4,871        | 7.8                                      |
| Nesowadnehunk         | 200        | 418         | 1,377       | 1,675       | 749          | 183         | 4,602        | 7.4                                      |
| Trout Brook Farm      | 146        | 120         | 856         | 1,231       | 329          | 28          | 2,710        | 4.4                                      |
| So. Branch Pond       | 586        | 1,130       | 2,885       | 3,052       | 1,348        | 330         | 9,331        | 15.0                                     |
| Russell Pond          | 195        | 579         | 654         | 838         | 617          | 145         | 3,028        | 5.0                                      |
| Chimney Pond          | -          | 781         | 883         | 934         | 855          | 303         | 3,756        | 6.0                                      |
| Sub-Total             | 3,176      | 6,849       | 13,122      | 14,238      | 8,718        | 2,733       | 48,836       | 78.5                                     |
| <u>Group Areas</u>    |            |             |             |             |              |             |              |  |
| Avalanche Field       | 181        | 402         | 981         | 751         | 531          | 162         | 3,008        | 4.8                                      |
| Foster Field          | 163        | 400         | 1,209       | 960         | 488          | 103         | 3,323        | 5.3                                      |
| Nesowadnehunk         | 105        | 115         | 307         | 395         | 350          | 16          | 1,288        | 2.1                                      |
| Trout Brook Farm      | 142        | 78          | 555         | 549         | 153          | 6           | 1,483        | 2.4                                      |
| Sub-Total             | 591        | 995         | 3,052       | 2,655       | 1,522        | 287         | 9,102        | 14.6                                     |
| <u>Outlying Sites</u> |            |             |             |             |              |             |              |  |
| So. Branch Pond       | 60         | 66          | 104         | 130         | 122          | 19          | 501          | .8                                       |
| Fowler                | 180        | 197         | 201         | 304         | 116          | 7           | 1,005        | 1.6                                      |
| Webster               | 210        | 185         | 353         | 500         | 235          | 8           | 1,491        | 2.4                                      |
| AT Shelter            | 7          | 4           | 31          | 52          | 41           | 36          | 171          | .3                                       |
| Davis                 | 2          | 40          | 53          | 66          | 66           | 14          | 241          | .4                                       |
| Wassataquoik Area     | 15         | 135         | 206         | 245         | 207          | 56          | 864          | 1.4                                      |
| Sub-Total             | 474        | 627         | 948         | 1,297       | 787          | 140         | 4,273        | 6.9                                      |
| TOT. CAMP. DAYS       | 4,241      | 8,471       | 17,122      | 18,190      | 11,027       | 3,160       | 62,211       | 100.0                                    |

% Camper Days Per Month

50 Classified Positions  
 2 Contract Services  
 10 SCA Positions  
 Effective December 31, 1988

BAXTER STATE PARK AUTHORITY  
 ATTORNEY GENERAL  
 COMM., INLAND FISHERIES & WILDLIFE  
 DIR., MAINE FOREST SERVICE







## H. PERSONNEL LISTING

BAXTER STATE PARK  
YEAR-ROUND POSITIONS - 1988

| <u>Title/<br/>Position Number:</u>                              | <u>Name:</u>   | <u>Location:</u>   |
|---|--|--|
| BSP Director<br>9429-0811                                       | Irvin C. Caverly, Jr.  | Headquarters, Mlkt.  |
| BSP Chief Ranger<br>9428-0966                                   | Chris M. Drew  | Headquarters, Mlkt.  |
| Business Manager<br>0041-0481                                   | Elizabeth M. Gray  | Headquarters, Mlkt.  |
| Forester II<br>9452-0968  | D. Jensen Bissell  | Headquarters, Mlkt.  |
| BSP Maintenance Supv.<br>9427-0121                              | Philip M. McGlauflin   | Headquarters, Mlkt.  |
| BSP District Rangers<br>9404-0946<br>9404-0945                  | Barry MacArthur<br>Robert E. Howes                                   | North District<br>South District                                     |
| BSP Rangers<br>9434-0946<br>9434-0944<br>9434-0943<br>9434-0942 | Thomas P. Chase<br>Loren Goode<br>Bernard Crabtree<br>Charlie Kenney | North District<br>South District<br>South District<br>North District |
| Interpretive Spec<br>0479A-0947                                 | Jean Hoekwater   | Headquarters, Mlkt.  |
| Auto Mechanic II<br>8303-0926                                   | Tim Sides  | Headquarters, Mlkt.  |
| Clerk III<br>0003-0091  | Janice T. Caverly  | Headquarters, Mlkt.  |
| Clerk Typist III<br>0013-1081                                   | Judith A. Hafford  | Headquarters, Mlkt.  |
| Clerk Typist II<br>0012-0871                                    | S. Jean Howes  | Headquarters, Mlkt.  |
| Stores Clerk<br>0221-0927                                       | Rosemary K. James  | Headquarters, Mlkt.  |
| Secretary<br>005-0969   | Roxanna F. McLean  | Headquarters, Mlkt.  |

# SEASONAL POSITIONS - 1988

Title/  
Position Number

Name/Location

## MAINTENANCE RANGERS

|               |                  |    |     |       |
|---------------|------------------|----|-----|-------|
| 8281-0965 - 2 | Coolong - North  | 24 | 5-2 | 10-14 |
| 8281-0041 - 1 | Rickards - South | 24 | 5-2 | 10-14 |

## CAMPGROUND RANGERS

|               |                            |    |     |       |
|---------------|----------------------------|----|-----|-------|
| 9425-0631 - 7 | Cushman - Nesowadnehunk    | 24 | 5-8 | 10-22 |
| 9425-0021 - 1 | Curran - Russell Pond      | 24 | 5-8 | 10-22 |
| 9425-0221 - 3 | Smith - South Branch Pond  | 24 | 5-8 | 10-22 |
| 9425-0611 - 9 | Ward - Trout Brook Farm    | 24 | 5-8 | 10-22 |
| 9425-0351 - 4 | Hendrickson - Chimney Pond | 24 | 5-8 | 10-22 |
| 9425-0641 - 8 | Hamer - Roaring Brook      | 24 | 5-8 | 10-22 |
| 9425-0601 - 6 | Johnston - Abol            | 24 | 5-8 | 10-22 |
| 9425-0391 - 5 | Drew - Katahdin Stream     | 24 | 5-8 | 10-22 |
| 9425-0151 - 2 | Tetrault - Togue Pond      | 24 | 5-8 | 10-22 |

## CAMPGROUND ATTENDANTS

|               |                             |    |      |      |
|---------------|-----------------------------|----|------|------|
| 9424-0841 - 5 | Thompson - Chimney Pond     | 20 | 5-22 | 10-8 |
| 9424-0741 - 3 | Hawkins - Roaring Brook     | 18 | 5-22 | 9-24 |
| 9424-0922 - 6 | Milne - South Branch Pond   | 18 | 5-22 | 9-24 |
| 9424-0461 - 2 | Smith, M. - Nesowadnehunk   | 16 | 5-22 | 9-10 |
| 9424-0831 - 4 | Fisher - Russell Pond       | 14 | 5-28 | 9-3  |
| 9424-0421 - 1 | Rytlewski - Katahdin Stream | 18 | 5-22 | 9-4  |
|               | SCA Student - South         |    |      |      |

## GATEHOUSE ATTENDANTS

|                |                         |    |      |       |
|----------------|-------------------------|----|------|-------|
| 9422-0171 - 3  | D. Tardiff - Togue Pond | 23 | 5-8  | 10-15 |
| 9422-0511 - 5  | S. Tardiff - Togue Pond | 23 | 5-8  | 10-15 |
| 9422-0361 - 7  | Miller - Matagamon      | 23 | 5-8  | 10-15 |
| 9422-0441 - 8  | Jacques - Matagamon     | 23 | 5-8  | 10-15 |
| 9422-0201 - 9  | Hanson - Matagamon      | 23 | 5-8  | 10-15 |
| 9422-0501 - 4  | Turmel - Togue Pond     | 23 | 5-8  | 10-15 |
| 9422-0521 - 6  | Rolfe - West Gate       | 20 | 5-15 | 10-1  |
| 9422-0531 - 1  | Trefethen - Togue Pond  | 20 | 5-15 | 10-1  |
| 9422-0541 - 2  | Gordon - Togue Pond     | 12 | 6-19 | 9-10  |
| 9422-0971 - 10 | Shean - West Gate       | 14 | 6-20 | 10-1  |

## TRAIL CREW

|               |                            |    |      |      |
|---------------|----------------------------|----|------|------|
| 9435-0141 - 1 | Kenway - Trail Crew Leader | 28 | 3-28 | 10-7 |
| 8002-0940 - 1 | Stillman - Laborer II      | 14 | 5-16 | 8-20 |
|               | 8 SCA Students             |    |      |      |

## HEADQUARTERS

|               |                            |    |      |       |
|---------------|----------------------------|----|------|-------|
| 0002-0731 - 1 | King - Clerk II            | 40 | 1-11 | 10-16 |
| 0002-0941 - 2 | Smart - Clerk II           | 14 | 5-24 | 8-27  |
| 9210-0967 - 1 | Osgood - Park Receptionist | 20 | 5-2  | 9-16  |



I. DIRECTOR'S CONCLUDING REMARKS

## DIRECTOR'S CONCLUDING REMARKS

In the upcoming year, we have a long agenda of items in order to maintain the Park to expectations that exist. Above and beyond the routine operation, maintenance, public services, search and rescue, communications and maintenance of roads, I submit an agenda of the following which specifically address projects that we would like to accomplish in 1989.

Long overdue is the replacement of the old bunkhouse at Russell Pond with a new building. We have talked about this since the early 60's. We now have the money budgeted, materials in place and will look forward to erecting that building during 1989.

The completion of road construction in the Scientific Forest Management Area and appropriate housing for staff as well as a road use policy in preparation for operation is of the utmost importance.

The release of caribou in Baxter State Park in 1989 will be a challenge for all of us. In spirit of the Authority's approval of the project, it is essential that we meet the criteria of that approval and minimize all potential negative impacts on BSP and the animals.

We are badly in need of a carpentry shop at the Support Services in Millinocket. Presently we have woodworking activities in the same building as mechanical activities, and with the increase of our work load, it is far less than a desirable situation. Also, the re-roofing of our garage facility in Millinocket has been postponed for a number of years because of ever increasing costs. We are hoping to achieve that in '89.

At Togue Pond we have a concrete building we inherited when we purchased the buildings and took over the lease. It has basically served as storage up to this point in time, and although we have accomplished some cosmetic work on the outside, the inside has had minimal attention. In 1989 we hope that we can convert one of those rooms to an effective meeting or conference room. It will be extremely helpful for special training sessions, staff meetings and, I think, has potential for Authority/Advisory meetings in the future.

Housing at West Gate is a necessity if we are to maintain that facility to the extent expected. I anticipate that we will be moving a camp from Kidney Pond to Nesowadnehunk's West Gate for this purpose.

Continued progress with Kidney Pond Camp renovations and work at Togue Pond will be high on our agenda. Some definite guidelines which will bring us closer to workable control of day use concerns in the South District of Baxter State Park is not only desirable, but necessary.

New ideas and procedures in place which will give us a more extensive I&E program at BSP: 1) provide the staff and the user a good concept of what Baxter Park is supposed to be and what to expect when you visit and/or work there; 2) better orientation programs at Park Headquarters and Park facilities; 3) improvement in our communications skills which will allow us as employees to provide what the Park deserves. The best we can offer.

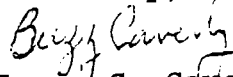
And finally, in order to meet the mandate of our protection and preservation provisions identified within the Deeds of Gift, we will need the help of all interested persons; therefore, our close contact with the people of Maine will remain strong. Governor Baxter expected this type of rapport between the Park and himself when he was alive, and I am convinced would want that relationship to continue with the beneficiaries of his gift to the people of Maine. A point in emphasis is exemplified in this quote from a letter he sent to me dated December 4, 1968.

"I expect to be at home all winter and shall keep in touch with you for you have a most important position. I shall write you and I want you to write me. We are partners in this project. Please tell your associates that I depend on them to make the Park successful."  
(Signed by Percival P. Baxter.)

#### APPRECIATION

Our sincerest thanks to all who have helped to make the Park successful in 1988. A special thanks to the following: the Baxter State Park Authority, Baxter State Park Advisory Committee and Chairperson Jane Thomas, Baxter State Park Forest Management Area Advisory Committee and Chairperson Chuck Gadzik, Paul Stern Legal Counsel for the Baxter State Park Authority, Chip Ahrens of the Attorney General's Office, Kris Christine Administrative Assistant to James E. Tierney, Cecile Sibley Administrative Assistant to William J. Vail, Judy Andrews Administrative Assistant to John H. Cashwell and a well deserved and very very special thanks to Baxter State Park Secretary to the Director Roxanna McLean for her long hours of hard work in compiling this information. Her dedication to duty, her high rate of productivity and her standard of proficiency is respected and appreciated by all of us throughout the entire year.

Sincerely,



Irvin C. Cayerly, Jr.  
Director  
Baxter State Park





## J. APPENDIXES



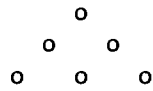
AUDIT REPORT  
BAXTER STATE PARK AUTHORITY  
FISCAL YEAR ENDED  
JUNE 30, 1988



STATE DEPARTMENT OF AUDIT  
*Augusta, Maine 04333*

DEC 15 1988



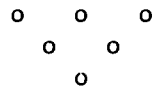


AUDIT REPORT

BAXTER STATE PARK AUTHORITY

FISCAL YEAR ENDED

JUNE 30, 1988



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in Accordance with a Comprehensive Basis of  
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STATE OF MAINE  
DEPARTMENT OF AUDIT  
STATE HOUSE STATION 68  
AUGUSTA, MAINE 04333  
Area Code 207  
Tel. 289-2201

RODNEY L. SCRIBNER, CPA  
STATE AUDITOR

Auditor's Report on Financial Statements Prepared in Accordance  
With a Comprehensive Basis of Accounting Other Than Generally  
Accepted Accounting Principles

To the President of the Senate and the  
Speaker of the House of Representatives

We have examined the component unit financial statements of the Baxter State Park Authority, as of and for the year ended June 30, 1988, as listed in the table of contents. Our examination was made in accordance with generally accepted auditing standards and accordingly, included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

As described in Note 1c to the financial statements, the Authority's policy is to prepare its financial statements on the basis of accounting practices prescribed by the State Controller. Those practices differ in some respects from generally accepted accounting principles. Accordingly, the accompanying financial statements are not intended to present financial position and results of operations in conformity with generally accepted accounting principles.

The Baxter State Park Authority has not presented certain pension information that the Governmental Accounting Standards Board has determined is necessary to supplement, although not required to be part of, the basic financial statements.


As more fully described in Note 3 to the financial statements, Baxter State Park Authority does not record certain park-owned buildings in the General Fixed Assets Account Group. The cost of such buildings could not readily be determined and accordingly, no adjustment has been made to record such cost.

As more fully described in Note 3, the Authority does not record land and buildings donated to the state, in trust, in the Nonexpendable Trust Fund of the Baxter State Park Authority. The estimated fair value of such land and buildings at the date of donation could not readily be determined and accordingly, no adjustment has been made to record such value.

Because of the Authority's policy to prepare its financial statements on the basis of accounting as discussed in the second paragraph, in our opinion, the financial statements referred to in the first paragraph do not present fairly the financial position of the Baxter State Park Authority at June 30, 1988, or the results of its operations or changes in its financial position for the year then ended, in conformity with generally accepted accounting principles.



However, in our opinion, except for the effects on the financial statements of such adjustment, as would have been required had the cost of park-owned buildings described in the third preceding paragraph been known, and except for the effects on the financial statements of such adjustment, as would have been required had the estimated fair value, at the date of donation, of trust fund land and buildings described in the second preceding paragraph been known, the component unit financial statements referred to in the first paragraph present fairly the assets, liabilities, and fund equity of the Baxter State Park Authority at June 30, 1988, and the results of its operations and changes in its financial position for the year then ended, in conformity with accounting practices prescribed by the State Controller of the State of Maine, which have been applied in a manner consistent with that of the preceding year.

  
Rodney L. Scribner, CPA  
State Auditor

September 29, 1988

## BAXTER STATE PARK AUTHORITY

## COMBINED STATEMENT OF ASSETS, LIABILITIES AND FUND EQUITY (PRESCRIBED BASIS)

June 30, 1988

|   | Governmental<br>Fund Type<br><u>Special Revenue</u> | Fiduciary<br>Fund Type<br><u>Trust</u> | Total<br>(Memorandum<br>Only) |
|---|---|--|-------------------------------|
| <u>ASSETS</u>   |   |  |                               |
| Cash:   |   |  |                               |
| Equity in treasurer's demand cash<br>and/or investments (Note 1E) | \$132,738   | \$ 170,466                             | \$ 303,204                    |
| Other fiscal agent or fiduciary cash (Note 1E)                    |   | 511,499                                | 511,499                       |
| Petty cash  | 1,850   |  | 1,850                         |
| Investments (Note 2)  |   | <u>2,731,212</u>                       | <u>2,731,212</u>              |
| Total Assets  | <u>\$134,588</u>                                    | <u>\$3,413,177</u>                     | <u>\$3,547,765</u>            |
| <u>FUND EQUITY</u>  |   |  |                               |
| Fund Equity:  |   |  |                               |
| Fund balance -  |   |  |                               |
| Reserved for encumbrances (Note 1D)                               | \$ 64,577   | \$                                     | \$ 64,577                     |
| Unreserved  | <u>70,011</u>                                       | <u>3,413,177</u>                       | <u>3,483,188</u>              |
| Total Fund Equity   | <u>\$134,588</u>                                    | <u>\$3,413,177</u>                     | <u>\$3,547,765</u>            |

See accompanying notes to financial statements.

BAXTER STATE PARK AUTHORITY  
 COMBINED STATEMENT OF REVENUES, EXPENDITURES AND  
 CHANGES IN FUND BALANCES - ALL GOVERNMENTAL FUND TYPES  
 AND EXPENDABLE TRUST FUNDS (PRESCRIBED BASIS)  
 For the Fiscal Year Ended June 30, 1988

|  | Governmental<br>Fund Type<br>Special<br>Revenue | Fiduciary<br>Fund Type<br>Trust | Total<br>(Memorandum Only)<br>1 9 8 8 |
|--|---|---------------------------------|---------------------------------------|
| Revenues:  |   |                                 |                                       |
| Other taxes or special licenses  | \$ 107  | \$                              | \$ 107                                |
| From use of money and property   | 9,049   | 224,207                         | 233,256                               |
| Service charges for current services   | 351,310   |                                 | 351,310                               |
| Sale and compensation for loss of property                                       | <u>6,202</u>                                    |                                 | <u>6,202</u>                          |
| Total Revenues   | <u>366,668</u>                                  | <u>224,207</u>                  | <u>590,875</u>                        |
| Expenditures:  |   |                                 |                                       |
| Personal services -  |   |                                 |                                       |
| Salaries and wages   | 567,101   |                                 | 567,101                               |
| Fringe benefits  | 166,387   |                                 | 166,387                               |
| Capital expenditures   | 116,459   |                                 | 116,459                               |
| All other -  |   |                                 |                                       |
| Contractual services   | 267,596   |                                 | 267,596                               |
| Commodities  | 78,833  |                                 | 78,833                                |
| Debt retirement, interest  | 568   |                                 | 568                                   |
| Transfer to General Fund   | <u>24,419</u>                                   |                                 | <u>24,419</u>                         |
| Total Expenditures   | <u>1,221,363</u>                                |                                 | <u>1,221,363</u>                      |
| Excess of Revenue over (under) Expenditures                                      | ( 854,695)                                      | 224,207                         | ( 630,488)                            |
| Other Financing Sources (Uses):  |   |                                 |                                       |
| Nonrevenue receipts and credits  |   | 44,132                          | 44,132                                |
| Operating transfers in   | 894,106   | 700,000                         | 1,594,106                             |
| Operating transfers out  |   | ( 860,000)                      | ( 860,000)                            |
| Total Other Financing Sources (Uses)   | <u>894,106</u>                                  | ( 115,868)                      | <u>778,238</u>                        |
| Excess of Revenues and Other Sources<br>over (under) Expenditures and Other Uses | 39,411  | 108,339                         | 147,750                               |
| Fund Balance at beginning of year (adjusted)                                     | <u>95,177</u>                                   | <u>461,619</u>                  | <u>556,696</u>                        |
| Fund Balance at end of year  | <u>\$ 134,588</u>                               | <u>\$569,858</u>                | <u>\$ 704,446</u>                     |

See accompanying notes to financial statements.

DAXTER STATE PARK AUTHORITY  
 COMBINED STATEMENT OF REVENUES, EXPENDITURES AND  
 CHANGES IN FUND BALANCE - BUDGET AND ACTUAL  
 SPECIAL REVENUE FUND TYPE (PRESCRIBED BASIS)  
 For the Fiscal Year Ended June 30, 1988

|   | Special Revenue Fund Type |                   | Variance                   |
|---|---------------------------|-------------------|----------------------------|
|   | Budget                    | Actual            | Favorable<br>(Unfavorable) |
| Revenues.   |                           |                   |                            |
| Other taxes or special licenses   | \$ 100                    | \$ 107            | \$ 7                       |
| From use of money and property  | 4,000                     | 9,049             | 5,049                      |
| Service charges for current services  | 299,000                   | 351,310           | 52,310                     |
| Sale and compensation for loss of property  | <u>2,000</u>              | <u>6,202</u>      | <u>4,202</u>               |
| Total Revenues  | <u>305,100</u>            | <u>366,668</u>    | <u>61,568</u>              |
| Expenditures:   |                           |                   |                            |
| Personal services -   |                           |                   |                            |
| Salaries and wages  | 584,625                   | 567,101           | 17,524                     |
| Fringe benefits   | 151,500                   | 166,387           | ( 14,887)                  |
| Capital expenditures  | 150,256                   | 116,459           | 33,797                     |
| All other -   |                           |                   |                            |
| Contractual services  | 349,636                   | 267,596           | 82,040                     |
| Commodities   | 71,530                    | 78,833            | ( 7,303)                   |
| Debt retirement, interest   |                           | 568               | ( 568)                     |
| Transfer to General Fund  | <u>22,691</u>             | <u>24,419</u>     | <u>( 1,728)</u>            |
| Total Expenditures  | <u>1,330,238</u>          | <u>1,221,363</u>  | <u>108,875</u>             |
| Excess of Revenues over (under)<br>Expenditures                                     | ( 1,025,138)              | ( 854,695)        | 170,443                    |
| Other Financing Sources:  |                           |                   |                            |
| Operating transfers in  | <u>998,697</u>            | <u>894,106</u>    | ( 104,591)                 |
| Excess of Revenues and Other Sources<br>over (under) Expenditures and<br>Other Uses | ( 26,441)                 | 39,411            | 65,852                     |
| Fund Balance at beginning of year (adjusted)  | <u>95,177</u>             | <u>95,177</u>     |                            |
| Fund Balance at end of year   | <u>\$ 68,736</u>          | <u>\$ 134,588</u> | <u>\$ 65,852</u>           |

See accompanying notes to financial statements

BAXTER STATE PARK AUTHORITY  
STATEMENT OF REVENUES, EXPENSES AND  
CHANGES IN FUND BALANCE  
NONEXPENDABLE TRUST FUND (PRESCRIBED BASIS)  
For the Fiscal Year Ended June 30, 1988

|  | <u>1 9 8 8</u>            |
|--|---------------------------|
| Nonoperating revenues (expenses):      |                           |
| Nonrevenue receipts and credits        | \$           24           |
| Receipt of securities                  | <u>117,236</u>            |
| Total nonoperating revenues (expenses) | 117,260                   |
| Fund balance at beginning of year      | <u>2,726,060</u>          |
| Fund balance at end of year            | <u><u>\$2,843,320</u></u> |

See accompanying notes to financial statements

BAXTER STATE PARK AUTHORITY  
STATEMENT OF CHANGES IN FINANCIAL POSITION  
NONEXPENDABLE TRUST FUND (PRESCRIBED BASIS)  
For the Fiscal Year Ended June 30, 1988

|  |                  |
|--|------------------|
| Sources of working capital:                  |                  |
| Nonoperating revenue                         | <u>\$117,260</u> |
| Total sources of working capital             | <u>117,260</u>   |
| Net increase in working capital              | <u>\$117,260</u> |
| Elements of net increase in working capital: |                  |
| Investments                                  | <u>\$117,260</u> |

See accompanying notes to financial statements

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BAXTER STATE PARK AUTHORITY

NOTES TO FINANCIAL STATEMENTS

June 30, 1988

(1) Summary of Organizational Structure and Significant Accounting Policies

A. Scope of Reporting Entity

The Baxter State Park Authority was established to operate and maintain Baxter State Park for the use and enjoyment of the people of Maine in accordance with the wishes of the donor, former Governor Percival P. Baxter, that this park "...shall forever be retained and used for state forest, public park and public recreational purposes...shall forever be kept and remain as a sanctuary for beasts and birds."

The Baxter State Park Authority, consisting of three members, the State's Attorney General, the Director of the Bureau of Forestry and the Commissioner of Inland Fisheries and Wildlife, has full power in the control and management of the park pursuant to Title 12, Sections 900 - 907, Maine Revised Statutes Annotated of 1964, as amended. The primary responsibilities of the authority are to operate and maintain various campgrounds and campsites within the 200,000 acre wilderness park; to protect the wildlife, fauna, and flora within the park for the enjoyment of present and future generations; to receive and expend monies from trusts and other income for maintenance and operation; to acquire additional land for the park as authorized by law, to establish rules and regulations as necessary for the protection and preservation of the park, monuments and structures thereon and for the protection and safety of the public, and to exercise police supervision over the park.

B. Basis of Presentation - Fund Accounting

The accounts of the Baxter State Park Authority are organized on the basis of funds, each of which is considered a separate accounting entity. The operations of each fund are accounted for with a separate set of self-balancing accounts that comprise its assets, liabilities, and fund equity or balance, revenues, and expenditures or expenses, as appropriate. Government resources are allocated to, and accounted for, in individual funds based upon the purposes for which they are to be spent and the means by which spending activities are controlled. The various funds are grouped, in the financial statements in this report, into two generic fund types, and two broad fund categories as follows:

### Governmental Funds

Special Revenue Fund - The Special Revenue Fund is used to account for the proceeds of specific revenue sources that are legally restricted to expenditures for specified purposes.

### Fiduciary Funds

Trust Funds - Trust Funds are used to account for assets held by the state in a trustee capacity or as an agent for the Baxter State Park Authority. These include Nonexpendable and Expendable Trusts. Nonexpendable Trust Funds are accounted for in essentially the same manner as proprietary funds since capital maintenance is critical. Expendable Trust Funds are accounted for in essentially the same manner as governmental funds.

### Total Columns on Combined Statements

Total columns on combined statements are captioned Memorandum Only to indicate that they are presented only to facilitate financial analysis. Data in these columns do not present financial position in conformity with generally accepted accounting principles.

### C. Basis of Accounting

Governmental Fund and Expendable Trust Funds revenues and expenditures are recognized on the modified accrual basis. Under the modified accrual basis applied in accordance with generally accepted accounting principles, revenues are recognized in the accounting period in which they become measurable and available. Expenditures are recognized in the accounting period in which the fund liability is incurred, if measurable, except for unmatured interest on general long-term debt, which is recognized when due.

In certain respects, the Authority's accounting practices differ from generally accepted accounting principles. At June 30, 1988, material differences were as follows: it is the Authority's policy not to record accounts payable in the Governmental Fund types; payroll expenditures are recorded as paid rather than at the time services are rendered; certain non-payroll obligations are recorded as encumbrances and reservations of fund balances (appropriations carried forward) rather than as accounts payable; funds expended for items of inventory are recorded under the purchase option method, but no entry is made at year end to record on the balance sheet the amount of inventory on hand; in addition, the Authority does not accrue a liability for accumulated compensated absences payable in subsequent years from Governmental Funds and Fiduciary Funds.



D. Encumbrances

Encumbrance accounting, under which purchase orders, contracts, and other commitments for the expenditure of money are recorded in order to reserve that portion of the applicable appropriation, is employed as an extension of formal budgetary integration in the Special Revenue Fund. Encumbrances outstanding at year end are reported as reservations of fund balances since they do not constitute expenditures or liabilities.

E. Assets, Liabilities and Fund Equities

Equity in Treasurer's Cash Pool

The Treasurer's cash pool, comprised primarily of short-term certificates of deposit, repurchase agreements, U.S. Treasury Bills and U.S. Treasury Notes, is stated at cost which approximates market value.

Investments

Trust fund investments of the Baxter State Park Authority are managed by Casco Northern Bank under the direction of the advisors of the various trusts of the State of Maine (through the Office of the Treasurer of State). Investments are stated at cost.

F. Other Accounting Policies

Vacation and Sick Leave

The Authority accounts for vacation leave payments to employees on a cash basis, rather than accruing a liability when the obligation is incurred as required by generally accepted accounting principles. Employees do not vest in sick time, therefore, expense for sick time is recorded when paid.

G. Budgetary vs. Actual Combined Statement

Budgeted expenditures include amounts for encumbrances outstanding at the end of the prior fiscal year. Encumbrances outstanding at year end are reported as reservations of fund balance. Actual figures reported have been rounded to the nearest dollar amount.

(2) Detail Notes

Deposits and Investments

The following information is provided as required by the Governmental Accounting Standards Board's Statement No. 3, "Deposits with Financial Institutions, Investments (including Repurchase Agreements), and Reverse Repurchase Agreements."

Authority for the Baxter State Park Authority investments: The deposit and investment policies of the Authority are governed by Title 5 s 135 et. seq. of the Maine Revised Statutes Annotated. Authority deposits must be held in depositories organized under the laws of this state or depositories located in this state not to exceed an amount equal to 25% of the capital, surplus and undivided profits of such depository unless fully secured by the pledge of certain securities as collateral or fully covered by insurance. Money in excess of that necessary to meet current obligations may be invested in: bonds, notes, certificates of indebtedness or other obligations of the United States which mature not more than 24 months from the date of investment, or in repurchase agreements secured by obligations of the United States which mature within the succeeding 24 months, prime commercial paper, tax-exempt obligations or bankers' acceptances.

The investments of the Baxter State Park Authority are categorized, according to the level of credit risk assumed by the Authority. Category 1 includes investments that are insured, registered or held by the Authority's agent in the Authority's name. Category 2 includes uninsured and unregistered investments held by the counterparty's trust department or agent in the Authority's name. Category 3 includes uninsured and unregistered investments held by the counterparty, its trust department or its agent, but not in the Authority's name. All investments of the Baxter State Park Authority are in Category 2. The market value of investments as of June 30, 1988 was \$3,236,076.

### (3) Fixed Assets

Asset records of the Authority are incomplete as they do not include some trust fund assets and may not include some general fixed assets. The following is a description of those assets that are not recorded by the Authority:

The Baxter State Park Authority owns various buildings (rangers' headquarters, gatehouses, bunkhouses, camps, lean-tos, etc.) within the park, acquired or constructed through use of Governmental Funds, that are not recorded in the General Fixed Assets Account Group. The cost of such buildings could not readily be determined and, accordingly, no adjustment has been made to record such cost.

In addition, the Authority owns land aggregating 201,018 acres and buildings in the park, which were donated to the state, in trust, by former Governor Percival P. Baxter. Whereas this land was purchased by Mr. Baxter in 28 separate parcels at various times between 1930 and 1962, the cost of this land could not readily be determined. Further, because the land is to be maintained in a Nonexpendable Trust Fund, the value of such land should be recorded at the estimated fair value at the date of donation. Because this value could not readily be determined, no adjustment has been made to record such value.

(4) Boston Safe Deposit and Trust Company

Boston Safe Deposit and Trust Company is the trustee appointed by the late Governor Baxter to hold the main body of the trust property and to manage, invest, reinvest, and administer the same. Funds reported by the trustee as of June 30, 1988 are \$11,766,725 in the principal account and \$4,661,919 in invested income. By the terms of the trust agreement, the net income of the trust is available for the care, protection and operation of the forest land known as Baxter State Park and for other forest lands hereinafter acquired by the State of Maine, under the provisions of the trust, for recreational or reforestation purposes. Funds may be withdrawn from the principal account for the purchase or other acquisition of additional lands for Baxter State Park or other lands for recreational or reforestation purposes.

Funds held by the trustee are not reflected on the records of the State Controller and, accordingly, are not presented on the accompanying financial statements. These funds have not been audited by us and, accordingly, we offer no opinion as to the fairness of presentation of the financial position of the funds as reported by the trustee.

(5) Contributory Defined Benefit Pension Plan

All employees of the Baxter State Park Authority participate in the Maine State Retirement System, a multiple-employer public employee retirement system. The total current-year covered payroll, for the Authority, for the year ended June 30, 1988 was \$567,101.

All employees of the Authority shall become members of the retirement system as a condition of their employment. The system provides retirement, death and disability benefits. Employees who retire at age 60 are entitled to an unreduced annual retirement benefit.

The general annual benefit is 2% of the member's average final compensation multiplied by years of membership service, reduced for retirement before age 60.

Covered employees are required by state statute to contribute to the system at a rate of 6.5% of earnable compensation. The authority is required by the same statute to contribute the remaining amounts necessary to pay benefits when due. Employer contributions are based upon an actuarially determined percentage of gross pay that is necessary to provide the system with assets sufficient to meet the benefits to be paid to system members.

The aggregate entry age normal method is used to determine costs. Under this funding method, a total contribution rate is determined which consists of two elements, the normal cost rate and the unfunded actuarial reserve (UAR) rate. Significant actuarial assumptions used include (a) a rate of return on investments of 8%, (b) projected salary increases ranging from 6% per year at age 65 to 10% per year at age 20, (c) projected cost-of-living increases of 4% per year, and (d) a retirement age of 60.

Investments of the retirement system are not segregated by contributing employer, rather, they are recorded as assets of the system in a separate Pension Trust Fund of the State of Maine.

The following contributions were made by the Authority in accordance with actuarially determined requirements:

| <u>For the Year Ended</u> | <u>Amount of Contribution</u> | <u>% of Covered Payroll</u> |
|---------------------------|-------------------------------|-----------------------------|
| June 30, 1986             | \$ 83,748                     | 17                          |
| June 30, 1987             | 90,192                        | 17                          |
| June 30, 1988             | 104,111                       | 18                          |

Additional pension information, as required by Governmental Accounting Standards Board Statement No. 5, was not available for note disclosure.

(6) Other Employee Benefits

Postretirement Health Care Benefits: In addition to providing pension benefits, the State of Maine provides certain health care benefits for retired employees of the Baxter State Park Authority. Basic benefits covered hospital and physicians' services as well as major medical expenses. Additional benefit provisions include care of mental health conditions, alcoholism and substance abuse. These benefits are provided through insurance companies whose premiums are based on an experience rating determined by past claims activity. Premium payments are made by the Maine State Retirement System using funds generated from current contributions and return on investments. The Retirement System recognizes the cost of providing these benefits as incurred.

Postretirement Life Insurance Benefits: In addition to providing pension and health care benefits, the State of Maine provides certain life insurance benefits for retired employees of the Baxter State Park Authority, who participated in the group life insurance program as active employees. Benefits are paid by the state on a scaled distribution based on the number of years of employee's participation. Payments of claims are made by the Maine State Retirement System using funds generated from premiums paid by employers and employees while in active status and by the employer after retirement for employees who participated for 10 continuous years prior to retirement. The retirement system recognizes the cost of providing these benefits as claims are paid to beneficiaries.

Deferred Compensation Plan: The Authority, through the State of Maine offers its employees a deferred compensation plan created in accordance with Internal Revenue Code Section 457. The plan, available to all Authority employees, permits them to defer a portion of their salary until future years. The deferred compensation is not available to employees until termination, retirement, death or unforeseeable emergency.

All amounts of compensation deferred under the plan, all property and rights purchased with those amounts, and all income attributable to those amounts, property, or rights are (until paid or made available to the employee or other beneficiary) solely the property and rights of the state (without being restricted to the provisions of benefits under the plan), subject only to the claims of the state's general creditors. Participants' rights under the plan are equal to those of general creditors of the state in an amount equal to the fair market value of the deferred account for each participant.

In the past, the plan assets have been used for no purpose other than to pay benefits. The State of Maine believes that it is unlikely that it will use the assets to satisfy the claims of general creditors in the future.

(7) Commitments and Contingencies

Litigation: The Baxter State Park Authority and its officers are defendants in a lawsuit involving the Scientific Forest Management Area of Baxter State Park. The plaintiffs are requesting that the Authority provide a bond to ensure proper timber harvesting and road building in that area, in an amount of several million dollars. Legal counsel for the Authority has determined that it is extremely unlikely that the case will ever reach its merits. Accordingly, no provision has been made in the accompanying financial statements for any losses which may arise from the ultimate settlement of this case.



STATE OF MAINE  
DEPARTMENT OF AUDIT  
STATE HOUSE STATION 86  
AUGUSTA, MAINE 04333  
Area Code 207  
Tel. 289-2201

RODNEY L. SCRIBNER, CPA  
STATE AUDITOR

Management Letter

To the President of the Senate and the  
Speaker of the House of Representatives

We have examined the component unit financial statements of the Baxter State Park Authority as of and for the year ended June 30, 1988, and have issued our qualified report thereon dated September 29, 1988. As a part of our examination, we made a study and evaluation of the Authority's system of internal accounting control to the extent we considered necessary to evaluate the system as required by generally accepted auditing standards. Under these standards, the purpose of such evaluation is to establish a basis for reliance on the system of internal accounting control in determining the nature, timing, and extent of other auditing procedures that are necessary for expressing an opinion on the financial statements and to assist us in planning and performing our examination of the financial statements.

Our examination of the component unit financial statements of the Baxter State Park Authority made in accordance with generally accepted auditing standards, including the study and evaluation of the Authority's system of internal accounting control as of and for the year ended June 30, 1988, would not necessarily disclose all weaknesses in the system because it was based on selective tests of accounting records and related data. Accordingly, we do not express an opinion on the Authority's system of internal accounting control taken as a whole. However, such study and evaluation disclosed certain weaknesses, upon which we are presenting our comments and recommendations for your consideration.

MATERIAL WEAKNESSES

Park-owned buildings not recorded in the General Fixed Assets Account Group (GFAAG)

Assets of the Baxter State Park Authority, as recorded in the General Fixed Assets Account Group, are understated.

Governmental Accounting Standards (GASB Cod. Sec. 1400.110,111) require that the cost of fixed assets be recorded in the GFAAG to provide a management control and accountability listing of a government's general fixed assets. The Authority does not include the cost of buildings owned by the Park in the GFAAG. We recommend that the Authority record the cost of Park-owned buildings in the GFAAG.

Land not recorded in the  
Nonexpendable Trust Fund

Assets of the Baxter State Park Authority, as recorded in the Nonexpendable Trust Fund, are understated.

Governmental Accounting Standards (GASB Cod. Sec. 1400.105) require that fixed assets associated with trust funds be accounted for through those funds. Whereas the principal of the Baxter State Park Authority Nonexpendable Trust Fund includes land (in excess of 200,000 acres), the estimated fair value of the land at the date of donation should be recorded in that fund. We recommend that the Authority record the estimated fair value of the land, at the date of donation, in the Nonexpendable Trust Fund. This assists in assuring compliance with terms of the trust instrument and provides a deterrent to mismanagement of trust assets.

#### OTHER WEAKNESSES

Trust Fund  
investments

Monies of the Baxter State Park Trust Fund, held by Casco Northern Bank, have not been invested in accordance with 5 MRSA, section 135 et. seq.

A review of investments of the Baxter State Park Trust Fund revealed that approximately \$100,000 was invested in U.S. Treasury obligations which do not mature until 1992 or later. 5 MRSA, section 135 et. seq. states, in part, "...Money....may be invested in....obligations of the United States which mature not more than 24 months from the date of investment...."

Based on the foregoing, we recommend that the Baxter State Park Authority review the contents of the Baxter State Park Trust Fund investment portfolio, to determine that investments have been made in accordance with 5 MRSA, section 135 et. seq., and take appropriate action to correct any instances of noncompliance with this statute. Further, future investments of these Trust Fund monies should be made in accordance with the aforementioned statute.

Inadequate internal control  
over canoe rentals and petty  
cash change fund

Rangers do not prepare receipts for canoe rental revenue at the time of receipt and personal money is being commingled with petty cash change fund when change is needed (no record is made of such instances). As a result, the reliability of control over revenue is diminished because there is no means of accountability for revenue and petty cash change fund monies.

We recommend that canoe rental revenue should be accepted only at the Ranger's office, either by the Ranger or by dropslot. Receipts should be prepared in a timely fashion for all such rentals. In addition, the petty cash change funds should be evaluated for sufficiency to eliminate the involvement of personal monies in the change funds.

Agency records not  
properly reconciled  
to controller's records

An analysis of the accounting records maintained by administrative personnel of the Park revealed that discrepancies between the agency's records and the controller's records were not properly reconciled.

To provide accurate accounting records for decision-making, control, forecasting and trend analysis, we recommend that agency records be reconciled to the controller's records to detect and resolve any discrepancies.

Incorrect coding of  
computer software  
purchases

A review of capital equipment expenditures revealed that computer software was coded as "capital equipment" rather than "all other" expenditures. This resulted in an overstatement of general fixed assets of \$350.50. We recommend that capital equipment records of the Park be corrected to accurately reflect this purchase as "all other" rather than "capital equipment" and that future software purchases be coded as "all other" (using C & O 4935).

Purchase orders not  
issued prior to the  
purchase of commodities

A review of expenditures revealed that purchase orders are being prepared after purchases are made.



According to the State of Maine Manual of Financial Procedures, purchase orders are to be issued prior to the purchase of commodities. We recommend therefore, that purchase orders be prepared prior to the purchase of any commodity. In the event that field personnel must obtain commodities before a purchase order can be prepared, administrative personnel should be notified so that a purchase order number may be issued over the phone.

The use of purchase orders will help to prevent the duplicate payment of invoices (because vendor invoices will reference such p.o. number) and will help ensure proper approval of purchases before invoices are paid.

#### ACTION ON PRIOR YEAR RECOMMENDATIONS

As a result of the fiscal year 1987 audit, we recommended that a perpetual inventory system including cost information be maintained on a current basis for supply items on hand and that access to supply areas be as limited as possible without interfering with operational needs. The following actions have been taken to implement this recommendation during fiscal year 1988:

- \* Perpetual inventory records have been created, including cost information for the various inventory items; however, these records have not been posted up-to-date because some personnel have failed to complete supplies requisitions when obtaining supplies.
- \* Renovations have begun to convert the Park Director's house (state-owned) to a warehouse facility with a separate efficiency apartment for the Director. (The apartment will be closed off from the rest of the house by means of a locked door). Access to the warehouse portion of the house will be restricted (by key entry) to the stores clerk and the Park Director (in case of emergency).

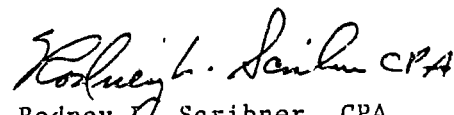
Based on a review of the above actions, we recommend that the perpetual inventory records be maintained on a current basis, and that the Park continue with their plans for the warehouse facility with restricted access.

The foregoing recommendations were discussed with administrative personnel of the Park who have indicated that they are in general agreement with the recommendations as presented.

The objective of internal accounting control is to provide reasonable, but not absolute, assurance as to the safeguarding of assets against loss from unauthorized use or disposition and the reliability of financial records for preparing financial statements and maintaining accountability for assets. The concept of reasonable assurance recognizes that the cost of a system of internal accounting control should not exceed the benefits derived and also recognizes that the evaluation of these factors necessarily requires estimates and judgements by management.

There are inherent limitations that should be recognized in considering the potential effectiveness of any system of internal accounting control. In the performance of most control procedures, errors can result from misunderstanding of instructions, mistakes of judgement, carelessness or other personal factors. Control procedures whose effectiveness depends upon segregation of duties can be circumvented intentionally by management with respect to the execution and recording of transactions or with respect to the estimates and judgements required in the preparation of financial statements. Further, projections of any evaluation of internal accounting control to future periods is subject to the risk that the procedures may become inadequate because of changes in conditions, and the degree of compliance with the procedures may deteriorate.

The foregoing conditions were considered in determining the nature, timing, and extent of audit tests applied in our examination of the component unit financial statements of the Baxter State Park Authority as of and for the year ended June 30, 1988. This letter does not affect our report dated September 29, 1988 on the component unit financial statements of the Baxter State Park Authority.

  
Rodney L. Scribner, CPA  
State Auditor

September 29, 1988





#### AUTHORITY MEMBERS

JAMES E. TIERNEY, CHAIRMAN  
ATTORNEY GENERAL  
WILLIAM J. VAIL, COMMISSIONER  
INLAND FISHERIES AND WILDLIFE  
JOHN H. CASHWELL, DIRECTOR  
MAINE FOREST SERVICE

#### INFORMATION

(207) 723-5140  
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(207) 723-9616

#### PARK HEADQUARTERS

IRVIN C. CAVERLY, JR., DIRECTOR  
64 BALSAM DRIVE  
MILLINOCKET, MAINE 04462  
(207) 723-9500

December 22, 1988

TO: ELIZABETH GRAY, BUSINESS MANAGER, BSP  
FROM: IRVIN C. CAVERLY, DIRECTOR, BSP  
SUBJECT: AUDIT REPORT FISCAL YEAR ENDED JUNE 30, 1988

In the mail of December 15, I received the Audit Report. I have since reviewed it carefully and am now passing it on to you. Within the report and, more specifically, the management letter Mr. Scribner refers to certain weaknesses which we need to consider carefully and act upon. Would you study each of these areas, identify for me those which we have control over and those which we do not have control over. Of those that we have control, please prepare for me policy statements on actions which are necessary to implement and which will assure total compliance. Once these actions have been implemented, please work closely with your staff and division heads in accomplishing this. Keep me posted on the results as progress is made.

Of the areas which we do not have direct control such as the evaluation of land, when it was purchased and the investments of the State held trust officers to name a few, please offer me recommendations as to an appropriate procedure to resolve or respond to those issues.

I think, overall, we have received a good report and the efforts of past years have paid off. For example, it's absolutely amazing to me that of the (\$392,618.72) amount of money that is handled each year by field staff, reservations office and administration office, we have experienced an absolute minimal discrepancy. That is to the credit of a lot of dedicated employees.

To: Elizabeth Gray  
December 22, 1988  
Page 2

The purpose of an audit, of course, is to assure total accountability, identify discrepancies and an opportunity to resolve those. Let's take advantage of this opportunity and do our best to mend those material and other weaknesses that Mr. Scribner alludes to. Thanks.

ICC:rm

*Buzz*

cc: BSP Authority  
Jane Thomas  
Roy Farnsworth  
Chris Drew  
Jean Hoekwater  
Jensen Bissell



Dartmouth College •

*Department of Geography  
Tree-Ring Laboratory  
20 Fairchild Building  
Hanover, NH 03755  
(603) 646-3381*

28 October 1988

Mr. Irving C. Caverly, Jr.  
Director, Baxter State Park Authority  
64 Balsam Drive  
Millinocket, ME 04462

Dear Mr. Caverly,

Enclosed you will find a report of the study procedures and progress that has been made since I collected cores from Baxter State Park at the end of August. I will make a final report available to you when it is ready. I would like to thank you for going out of your way to accomodate my research project at such short notice. Our field work was successful and the visit to the park was very enjoyable. Thank you once again.

Sincerely,

Laura E. Conkey  
Associate Professor

OCT 31 1988





Dartmouth College •

Department of Geography  
Tree-Ring Laboratory  
20 Fairchild Building  
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## Dendrochronology of spruce-fir forests along a Northeast regional transect

### PRELIMINARY REPORT - November 1988

#### Fieldwork

In order to see if growth patterns of red spruce (*Picea rubens*) and balsam fir (*Abies balsamea*) are similar or different for mountains across the Northeast, we set up a study along an east/west transect in the Northeast. We selected 8 mountains greater than 1200 m in elevation from a random selection of 20 mountains, based on geographical spread and location of older red spruce stands, avoiding areas that were obviously disturbed. The mountains selected, from west to east, include: Phelps and Nippletop Mts. (Adirondack Mts., NY), Mt Abraham (Green Mts., VT), Mt. Osceola and Twin Mt. (White Mts., NH), Old Speck Mt. (Mahoosuc Mts., ME), and Crocker Mt. and Mt. Katahdin (ME). On Mt. Katahdin, the study site is located on the north side of the North Basin Cut-off Trail at an elevation of 800 m (see Figure 1). From August 28-31 we collected 2 increment cores from 20 red spruce and 10 balsam fir trees for a total of 60 cores from the Baxter State Park site. The total increment core sample for the entire regional study includes 320 red spruce and 160 balsam fir cores (20 and 10 trees, respectively, with 2 cores per tree for 8 sites). Data collected for each tree include height, dbh, visual crown condition rating (SFRC standard), crown photographs, and sapwood lengths. Site data include elevation, aspect, slope angle, species composition estimates, stand density (cruise at BAF 5), and individual tree location (see Figure 2).

#### Data analysis

All the cores collected for the regional transect study have been mounted and sanded. Average tree-ring chronologies for mountains close to those which we sampled have been gathered for the crossdating process. The cores are currently being crossdated and measuring of cores which are properly dated has begun. The cores are being measured on a moving stage micrometer with a video camera attached and the data is recorded on an Apple II-plus computer. Average ring-width chronologies will be created for each site and statistical standardization of the individual cores will be performed to eliminate growth patterns attributed to individual tree characteristics (ie: size, age, micro-site factors). Following statistical treatment, the growth patterns will then be used in statistical comparisons with appropriate local climate data to discern the influence of climate on spruce growth patterns and to create climate/growth models for spruce.





# MT. KATAHDIN

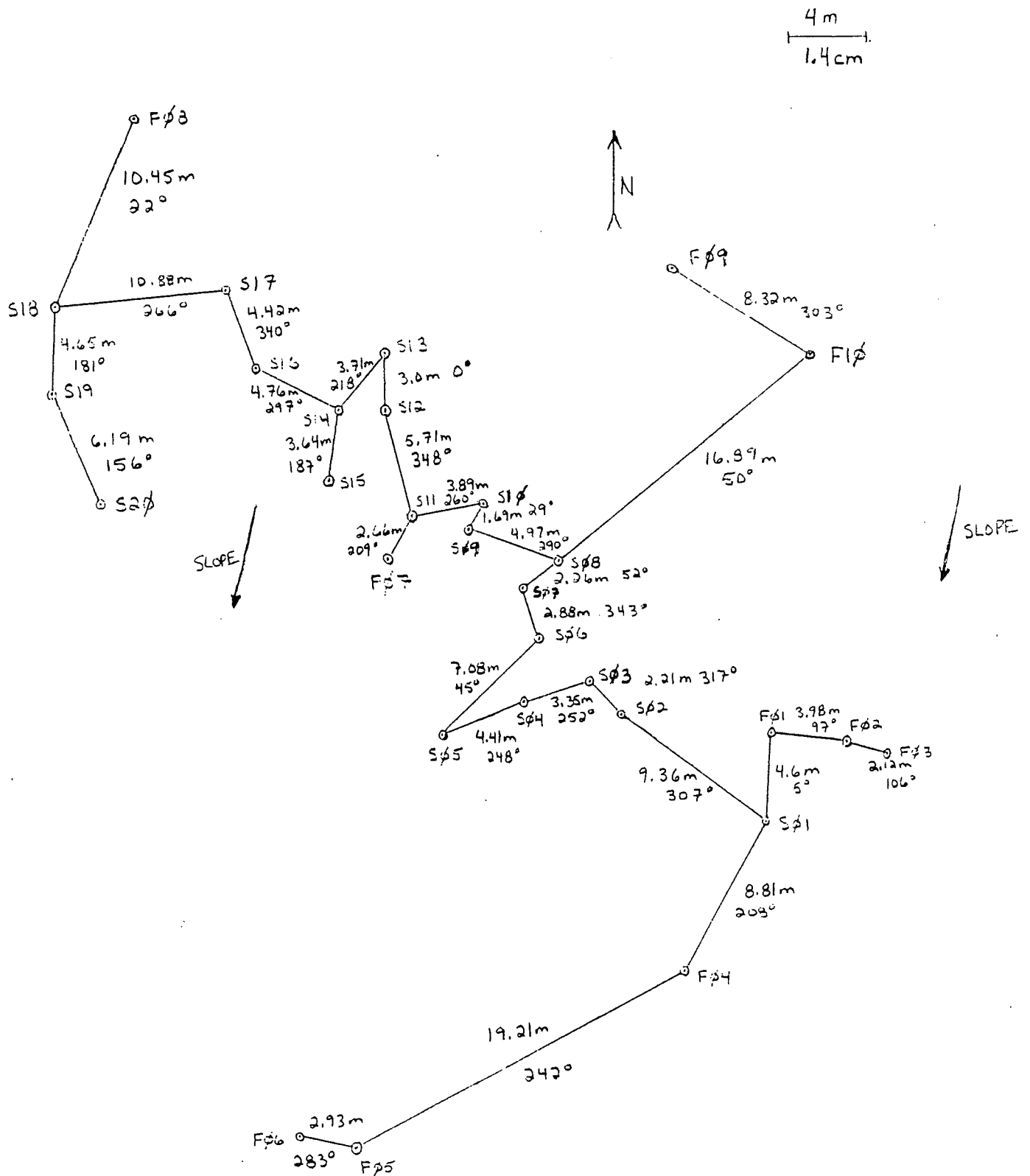


Figure 2. Site map. Circles show location of each red spruce (S) and balsam fir (F) tree sampled. Connecting lines indicate distance and azimuth between trees in meters and degrees.



## Transect Summary

### Winter Ecology Class - 1988

Transect Site Number 12A Spruce-Fir Stand, Extensive Budworm  
Damage

Snow Depth: 70 cm ave.

Snag Basal Area (Dead trees taller than 3 m):  $14.6 \text{ m}^2/\text{ha}$  (6.4)<sup>a</sup>

#### Tree Basal Area:

*Picea rubens*  $3.3 \text{ m}^2/\text{ha}$  (4.1) Ave DBH = 27.7 (8.7) cm

*Betula alleghaniensis*  $0.2 \text{ m}^2/\text{ha}$

#### Shrub Stem Density:

*Rubus occidentalis* 4.2 stems/ $\text{m}^2$  (3.55)

*Prunus nigra* 0.07 stems/ $\text{m}^2$

*Sorbus americana* 0.015 stems/ $\text{m}^2$

*Betula alleghaniensis* 0.13 stems/ $\text{m}^2$

*Abies balsamea* 0.44 stems/ $\text{m}^2$

*Sambucus* sp. tr.

*Acer rubrum* 0.04 stems/ $\text{m}^2$

Browsing Intensity: Birch, cherry and maples were moderately to heavily browsed (25-75% of current annual growth stems removed).

Transect 14 Spruce-Fir, Extensive budworm damage.

Snow depth: not measured.

Snag Basal Area: 9.4 (5.0) m<sup>2</sup>/ha

Tree Basal Area:

Picea rubens: 3.3 (2.8) m<sup>2</sup>/ha

Betula papyrifera: 0.1

Shrub Stem density:

Abies balsamea: 1.42 (1.42) stems/m<sup>2</sup>

Picea rubens: 0.47 (0.72)

Rubus occidentalis: 2.03 (18.88)

Betula papyrifera: 0.05

Kalmia angustifolia: 0.01

Animal Use:

Snowshoe hare: 2.95 tracks/km/day

Red squirrel: 1.0 tracks/km/day

Browsing Intensity: Only white birch moderately (25-50%)  
browsed.

Site 3: Black Spruce Stand

Snow depth: not measured

Snag Basal Area: 4.20 (5.54) m<sup>2</sup>/ha

Tree Basal Area:

Picea mariana: 27.8 (8.7) m<sup>2</sup>/ha

Shrub Stem Density

Picea mariana: 0.045 stems/m<sup>2</sup>

Abies balsamea: 0.005

Kalmia angustifolia: 0.025

Animal Use:

Snowshoe hare: 2.8 tracks/km/day

Coyote: 0.95 tracks/km/day

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<sup>a</sup> - numbers in parentheses are standard deviations