RESOURCE MANAGEMENT PLAN:

GLACIER NATIONAL PARK

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GLAC-N-152 Conduct Training in Cultural Landscape Mgt.
GLAC-N-153 Write Cultural Landscape Vegetation Mgt. Guide
GLAC-N-160 Enhancement of Rust Resistance in Whitebark Pine
GLAC-N-201 Wildlife Observation Data Base Computerization
GLAC-N-202 Wildlife Disease Inventory
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GLAC-N-285 Raptor Nesting Surveys

GLAC-N-286 Neotropical Migratory Bird Monitoring
GLAC-N-288 Effects of Fire on Cavity-Nesting Birds
GLAC-N-289 Avain Use of Eastside Aspen Communities
GLAC-N-290 Common Loon Productivity Monitoring
GLAC-N-291 Harlequin Duck Ecology
GLAC-N-292 Avian Use of Whitebark Pine
GLAC-N-294 Avian Cmty. Response to Fire in Conifer Forest
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GLAC-N-349 Global Climate Change Studies
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GLAC-N-414 Montana Capshell Study in Lost Lake
GLAC-N-415 Write a Fishery Management Plan
GLAC-N-416 East-Side Bull Trout Study
GLAC-N-417 Parkwide Fisheries Inventory
GLAC-N-500 Resources I&M Program Development
GLAC-N-501 Identify Values at Risk from Wildland Fire
GLAC-N-502 Modify Hazard Fuels to Protect Values at Risk
GLAC-N-503 Identify Areas to treat With Mgmt. Ign. Fire
GLAC-N-505 Quantify Fire Behavior and Fire Effects
GLAC-N-507 Merge Fire Behavior & GIS Computer Modeling
GLAC-N-521 Inventory & Plan Gravel Pit and Quarry Rehab
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GLAC-N-532 Analyze Impact of Snow Plowing on Soil & Veg.

GLAC-N-533 Inventory Avalanche Chutes & Analyze Veg. Succ.
GLAC-N-551 Determine Impact of Human Waste on Aquatic Sys.
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GLAC-N-560 Inventory Off-Trail Impacts at Logan Pass
GLAC-N-561 Backcountry Use Baseline
GLAC-N-562 Rehabilitate and Restore Granite Park Cabin Area
GLAC-N-650 Commercial Services Study
GLAC-N-651 Religious Usage Survey
GLAC-N-652 Develop Concessions Management Plan
GLAC-N-660 North Fork Strategic Plan Implementation
GLAC-N-661 Integration of Flathead Forest & Park GMP's
GLAC-N-663 Analysis of Basin Wide Biodiversity Integrity
GLAC-N-664 GIS Data Base Dev. for Lands Adjacent to GNP

GLAC-N-665 Crown of the Continent V.C. Feasibility Study
GLAC-N-675 Remove/Prevent Livestock Trespass
GLAC-N-821 Integrate Natural Res. Mgt. & Science into Interpretation

B. CULTURAL RESOURCE PROJECT STATEMENTS

GLAC-C-701 Upgrade Collection Access and Accountability
GLAC-C-702 Catalog Museum Collection Backlog
GLAC-C-703 Conduct Collection Condition Survey
GLAC-C-704 Preserve Photographic Materials
GLAC-C-705 Upgrade Collection Storage and Work Areas
GLAC-C-708 Integrate Cultural Res. Mgt. into Interpretation
GLAC-C-715 Administrative History of Glacier NP
GLAC-C-721 LCS, DOE, & Nat. Reg. Eligibility - Buildings
GLAC-C-722 Write Historic Structure Pres. Guides for Bldgs.
GLAC-C-723 Condition Assessment-Buildings
GLAC-C-724 Purchase Concessions Facilities
GLAC-C-725 Cultural Resource Management Training
GLAC-C-726 Cyclic Maintenance-Buildings
GLAC-C-727 Maintenance Backlog-Buildings
GLAC-C-741 LCS, DOE, and Nat. Reg. Eligibility - Roads and Trails
GLAC-C-742 Condition Assessment-Roads
GLAC-C-743 Write Historic Structure Pres. Guide for Roads
GLAC-C-744 Write Historic Structure Pres. Guide for Trails
GLAC-C-745 Cultural Res. Mgt. Training - Roads & Trails
GLAC-C-746 Condition Assessment-Trails
GLAC-C-747 Cyclic Maintenance-Roads
GLAC-C-748 Cyclic Maintenance-Trails
GLAC-C-749 Maintenance Backlog-Roads
GLAC-C-750 Maintenance Backlog-Trails
GLAC-C-757 Site Location Using Hist. and Ethno. Data Analysis
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GLAC-C-759 Underwater Archeology
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GLAC-C-774 Ethnographic Landscape Study
GLAC-C-780 Upgrade Library Storage
GLAC-C-781 Collect Oral Histories
GLAC-C-786 Historic Landscape Ident. Eval. and NR Nominate
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GLAC-I-002 Upgrade GIS Slide Making Capabilities

RESOURCE MANAGEMENT PLAN

GLACIER NATIONAL PARK

I. INTRODUCTION

A. PURPOSES FOR WHICH THE PARK WAS ESTABLISHED:

The park's authorizing legislation, 36 Stat. 354, of May 11, 1910, states that the lands within its boundaries are "...dedicated and set apart as a public park or pleasure ground for the benefit and enjoyment of the people of the United States under the name of "The Glacier National Park;" and that such lands shall be managed .."for the preservation of the park in a state of nature so far as is consistent with the purposes of this act, and for the care and protection of the fish and game within the boundaries thereof." This legislation also provides for the right of private landowners in the park to compatible use and enjoyment of their land.

The National Park Service, which administers Glacier National Park, was established by 39 Stat. 534, dated August 25, 1916, which in part states the purpose of National Parks is to "conserve the scenery and the natural and historic objects and the wildlife therein and to provide for the enjoyment of the same in such manner and by such means as will leave them unimpaired for the enjoyment of future generations."

The park's purpose was expanded by Presidential Proclamation Number 2003 of June 30, 1932, to commemorate the friendship and goodwill of Canada and the United States, through the establishment and management of Glacier National Park in the United States and Waterton Lakes National Park in Canada as an International Peace Park.

In 1976, the park was designated by the United Nations Educational, Scientific, and Cultural Organization (UNESCO) as a Biosphere Reserve under the Man and Biosphere Program (MAB) and in 1996 as a World Heritage Site. These designations recognized Glacier's conifer forests, alpine tundra, diverse biotic communities, and other unique environmental qualities and lent greater support and depth to the themes of preservation, research, and education while also allowing for human use.

B. LEGISLATIVE REQUIREMENTS RELATED TO MANAGEMENT OF THE PARK'S RESOURCES:

The **National Park Service Organic Act** of 1916, 16 USC 1, provides overall guidance in managing Glacier National Park and directs the Service to "promote and regulate the use of parks ..... in such manner and by such means as will leave them unimpaired for the enjoyment of future generations." The NPS Organic Act sets the tone for NPS policies which strive to protect park resources and make the parks available for public use.

The **National Environmental Policy Act** of 1969, 42 USC 4321, established a national policy to promote harmony between man and nature and a process for implementation of this policy. It requires that all significant actions that affect the park, whether taken by management or others, be evaluated with consideration of their impacts to the resources and that the process be documented.

The **Wilderness Act** of 1964, 16 USC 1131, provides for the designation of national wilderness areas. Under the provisions of this law, 963,155 acres of Glacier National Park have been recommended to Congress for designation as wilderness areas (congressional action has been pending since 1974).

The **Wild and Scenic Rivers Act**, 16 USC 1271, established the national wild and scenic rivers system. The North and Middle forks of the Flathead River, which border Glacier National Park have been designated as a wild and scenic rivers. Glacier National Park cooperates with the U.S. Forest Service in managing the river to protect its scenic and recreational values.

The **Endangered Species Act**, 16 USC 1531, provides for the conservation of endangered and threatened species. It requires monitoring and specific management actions for such species. Glacier National Park and contiguous areas contain several endangered plant species and habitats for the threatened grizzly bear and the endangered bald eagle and gray wolf.

The **Migratory Bird Treaty Act** of 1918, provides for protection of migratory bird species which use the park.

The **Clean Water Act, 33 USC 1251 et seq.**, and **Executive Order 12088**, provide for the prevention, control, and abatement of water pollution. This act, and the **Safe Drinking Water Act**, regulate contamination of surface, ground and drinking waters and provide direction for the park's aggressive program of protecting park waters.

The **Land and Water Conservation Fund Act** of 1964 provides for the acquisition of parklands and other federal resource lands for conservation purposes.

The **Clean Air Act**, 42 USC 1875, and **Executive Order 12088** establish air quality standards for National Park Service areas and help provide the basis for establishing monitoring programs.

The **Historic Sites Act** of 1935, 16 USC 461-467, established policy to preserve historic resources of national significance.

The **National Historic Preservation Act** of 1966, 16 USC 470, and **Executive Order 11593** provides a process for recognition and protection of historically significant properties, and directs all federal agencies to identify and evaluate for eligibility to the National Register of Historic Places all the potential cultural resource properties they manage, and to review all undertakings for their potential effect on cultural resources values.

The **Archeological and Historic Preservation Act** of 1974, 16 USC 469c, provides for protection of cultural resources that are threatened by federal construction projects.

The **Secretary of Interior's Standards for Historic Preservation** and **National Park Service Cultural Resource Management Guidelines (NPS 28)** give direction to preservation actions and to the review processes that protect cultural resources values.

The **American Indian Religious Freedom Act**, 42 USC 1996, provides for the practice of Indian religion on federal lands and the return of Indian religious objects. Indian religious sites are on the east side of the park, and are used as sources for religious items, such as medicine bundles, and as sites for vision quests.

Other **Executive Orders** of specific importance to the management of park resources include:

E.O. 11507, provides for air and water pollution abatement.
E.O. 11644, relates to the control of snowmobile use.
E.O. 11988, restricts development in floodplains.
E.O. 11990, provides for protection of wetlands.

C. RESOURCE VALUES:

Glacier National Park is recognized as one of the world's most significant natural areas. The park is a rugged, mountainous preserve of 1,013,572 acres. It is characterized by spectacular topography, active glaciers, and unique biotic communities. It encompasses vast boreal ecosystems west of the Continental Divide of the Northern Hemisphere and the semiarid foothills of the Rocky Mountain front to the east. Within alpine meadows and glacially sculpted peaks, a triple divide occurs where pristine waters descend to three major continental river systems: the Columbia flowing into the Pacific Ocean, the Missouri/Mississippi flowing into the Gulf of Mexico, and the Saskatchewan/Nelson flowing into Hudson Bay. From the high peaks, sweeping scenic vistas are seen

through clear mountain air, with visibility often extending up to 200 miles. Wide variations in elevation, climate, and vegetation types on both sides of the Continental Divide encourage substantial biological diversity and offer sanctuary to numerous fish, wildlife and plant species of North America.

Glacier shares a 39-mile boundary with British Columbia and Waterton Lakes National Park in Alberta, Canada, and is adjacent to a complex of designated Wilderness Areas to the south, including the Great Bear, Bob Marshall, and Scapegoat Wildernesses. Thus, the park is located at the center of one of the largest intact wild ecosystems of the Rocky Mountain chain--an internationally significant location from the standpoint of scientific, aesthetic, and conservation values. Glacier's features draw approximately two million park visitors annually, 20 percent coming from nations other than the United States of America.

Some fifty small alpine glaciers of relatively recent post-Pleistocene origin dot the higher elevations. These glaciers display ongoing evolutionary processes of erosion and the development of topographical features. The scenic beauty of the park's numerous hanging valleys, cirques, and aretes--in addition to more than 600 lakes and a 1,450-mile network of streams and rivers--bears evidence of the glacial action that has shaped and continues to shape the geography of the region. For example, throughout the summer, Upper Grinnell Lake contains huge blocks of ice. Ice has broken from the glacier above, which still grinds away at the surrounding cirque walls.

The geological features of Glacier National Park are unique in several ways. Not only are the layers of the Precambrian Belt Supergroup extraordinarily well-delineated in the 33 percent of the park that is above tree line, but the layered sedimentary structures have been unusually well-preserved in the dry eastern-slope climate. The Belt Supergroup in Glacier also contains the most diverse and best preserved assemblage of stromatolites on the continent. Furthermore, the Lewis Overthrust Fault, a classic example of an overthrust fault, is exceptionally visible in the park.

The complex ecosystems of Glacier National Park provide habitats for more than 300 fish and wildlife species, including several endangered or threatened birds and mammals, and many rare species. As the central core section of a vast <u>de facto</u> international wilderness region, Glacier offers a sanctuary and corridor for Canadian and United States wildlife interaction, migration, and genetic exchange. Abundant and diverse communities of fish and wildlife are important resources in Glacier, and distinguish Glacier from most other regions in the nation. From the outset, these resources were recognized as an important element, and protection of wildlife is specifically identified in the Act establishing Glacier National Park.

The park is a meeting ground for species representing five major floristic provinces. In addition to the predominant Northern Rocky Mountain flora, many species of Great Plains affinities grow along the eastern slopes, and a wide variety of arctic-alpine plants occur above treeline. Numerous Pacific slope and boreal species reach their southern and eastern limits in the park. Major factors contributing to this high floristic diversity include the contrast between climates of the east and west sides of the Continental Divide, the sharp topographical relief, and the wide range of soil acidity or alkalinity.

The vast floral diversity of these varied habitats provides a significant reservoir of genetic material. A total of 36 rare plants have been recorded in Glacier Park, of which 18, or 69 percent, are found only in the park and its immediate environs. The integrity of the park's floral species is believed to be largely intact.

Although Glacier National Park is basically a natural heritage preserve, past human activities have contributed important cultural features as well. Park cultural resources include prehistoric sites, historic lodges, cabins, administrative structures, the Going-to-the-Sun Road corridor, and an extensive trail system.

The cultural environment varies from archeological evidence of early Native Americans to the present-day concession and park administration activities, creating a wide range of cultural resource issues in Glacier. Other features include archeological sites; modern Native American ceremonial sites; early homesteads, timber, mining, and oil operations; and early park administration buildings. Additionally, the park maintains a significant library, historic records, a museum, and photographic collections. These resources add to the quality of the Glacier experience by enhancing visitor understanding and by preserving historical and biological information important to the park's future.

In 1932, Glacier and Waterton Lakes National Parks were declared the world's first International Peace Park, and, in 1974, Glacier was named a Biosphere Reserve. Glacier and Waterton Lakes were dedicated as a World Heritage Site in 1996.

D. RESOURCE MANAGEMENT OBJECTIVES:

Based upon the park's enabling legislation, the NPS Organic Act, and the other pertinent laws and regulations mentioned above, the park's Statement for Management (dated Dec. 1990) sets forth the following objectives for the management of natural and cultural resources.

Natural Resources:

1. To conserve and protect the integrity of Glacier's naturally functioning ecosystem, recognizing man as a part of this system. (These objectives will be met through the protection and perpetuation of natural processes whenever possible. However, active management strategies involving resource manipulation will be utilized when necessary to achieve or to improve success.)

2. To conduct and encourage scientific research that contributes to the understanding and management of ecological and cultural systems.

Cultural Resources:

1. To identify, interpret, and protect Glacier's significant cultural resources and to manage them as vital components of the park's resource spectrum.

Adjacent Land Issues:

1. To identify and develop mutually beneficial relationships with others who affect or are affected by the park and to strengthen our role as a positive force that contributes to the well-being of the region, the state, the nation, and the world.

E. RESOURCE MANAGEMENT PLAN PURPOSES:

This Resource Management Plan is intended to serve as a guide for meeting the above stated management objectives and fulfilling the parks legislated mandates. It has been developed in concert with the park's "Statement for Management"; the park's "General Management Plan"(presently being updated with completion expected in late 1998); the "Management Policies of the National Park Service" ; and other specific management directives. It will guide all existing and future resource-related actions, define the values by which the park resources are managed, and identify strategies by which the park will assure the perpetuation of Glacier's resources.

Resource Management is the application of knowledge, policy, and law, to conserve the natural and cultural values for which the park was established. Important in this process is that we learn from the resource and change what we do as a result. Short- and long-term actions necessary to insure the proper management and preservation of the parks resources are presented within the following plan.

Consultation was undertaken with the Montana State Historic Preservation Office in preparing the cultural resource sections of this plan.

II. RESOURCE MANAGEMENT PROGRAM

A. MAJOR RESOURCE ISSUES

Ecosystem Fragmentation: The greater Glacier ecosystem was once a large undeveloped wilderness. What was once a huge refuge for native plants and animals is now greatly diminished. Continuing demand for natural resources, increasing park visitation and encroachments of land developments and air pollution have created a smaller and more fragile ecosystem.

Resource Threats: Glacier was rated the most threatened national park and natural area in the 1980 State of the Parks Report to Congress. A comprehensive resource management plan is needed to identify, prioritize, and mitigate threats.

Threats are both internally and externally generated. External threats to the Park include potential coal and mineral mines; oil wells; logging up to or near the boundary on adjacent national, state, provincial, tribal and private lands; and increased residential development with the attendant pressure to build and improve roads adjacent to the park.

Internally generated threats include increased demand for concession and administration developments, increased visitation, visitor backcountry use, and spread of exotic plants.

Inventory and Monitoring: In addition to threats are resource disturbances, or deviations in the natural system from the natural and historical norm. These require on-going research and monitoring to identify and quantify the disturbance, and to devise methods for identification and restoration of natural processes. Various monitoring and data gathering programs are also needed to establish baseline information on park resources from which changes can be identified.

Fire Management: Natural processes that have been disturbed by man include natural fire frequency modification by 85 years of fire suppression and its effect on forest ecology. Fish stocking has affected genetic strains of native fish populations, and altered aquatic ecology. White pine blister rust has had a dramatic impact on western white pine and white bark pine forests.

Endangered Species Monitoring and Management: The Endangered Species Act requires all federal agencies to use their authorities in the conservation of endangered species and further requires that agencies examine all management actions to determine if those actions would adversely affect these species. These mandates require first detailed information on the status of these species

and the implementation of proactive management strategies to bring these species to a point where protection under the ESA is no longer required and they can be removed from this special status.

Glacier has a number of species identified by the state as "species of special concern." These species have limited, restricted, or diminished global, continental, or state distributions. Inventory of their distribution and monitoring of their status contributes to the state and national information network and allows early identification of deleterious changes in their status.

Water Rights: The State of Montana and the National Park Service Water Rights Compact (Glacier N.P. Compact) that was executed in 1994 and 1995 is presently in the Preliminary Decree process by the Montana Water Court. Glacier's goals in the Water Rights adjudication process are as follows:

1. Rivers, streams, springs, seeps, hydrothermal features, and lakes (non-consumptive). The United States has the right to maintain all rivers and streams, including the North Fork of the Flathead River, Middle Fork of the Flathead River, creeks, springs, seeps, and hydrothermal features at their natural flows, and lakes at their natural levels, subject to valid, perfected water rights under Montana law having priority dates earlier than May 11, 1910.

2. Ground water (non-consumptive). The United States has the right to that amount of ground water required to maintain Glacier National Park in its natural condition. It is not possible to quantify or describe the amount of ground water that may be required to maintain Glacier National Park in its natural condition.

3. Quantifiable administrative uses (consumptive). The United States has the right to divert surface and ground water annually for campgrounds, picnic areas, visitor centers, and other visitor uses areas; for park administration, shop, maintenance, and storage facilities, ranger stations, entrance stations, visitor contact stations, employee residences, and attendant facilities; for watering lawns surrounding park buildings and structures and other public areas where needed to offset heavy human impact; and for waste water treatment.

4. Non-quantifiable administrative uses (consumptive). The United States has the right to use non-quantifiable amounts of water from, but not limited to, controlling and suppressing wildfires and structural fires; for construction and maintenance of roads and trails; for revegetation activities necessary to return watersheds to

their natural condition; for watering horses and other animals owned by the United States and park visitors, and for domestic uses by backcountry rangers.

Recreational Water Use: Human use impacts to the park's water resources will be a primary concern in the future. Encasement of all styrofoam dock materials, monitoring human use of water resources to avoid negative impacts, and working closely with neighboring agencies on areas, such as the forks of the Flathead River, will be key to a program that is consistent with the park goal to protect, preserve, or restore the natural environment.

Cultural Resources: Preservation - The preservation of cultural resources values is a very intensive effort involving identification and evaluation of the values, Section 106 review to assure that the effect of management actions on cultural resources values is carefully considered, planning for adaptive uses of structures and new uses of sites to meet current and future Park management needs, and the funding of preservation actions and mitigation actions.

Funding - Cyclic and base funding are not adequate to perform routine preventive maintenance on every older Park facility. When adequate funding exists for particular projects, logistical problems in performing the work (often at remote locations) include the short work season at this latitude/elevation, transportation of supplies and materials, and housing and supervising special project-oriented crews during the Park's season of heaviest visitation, when all special projects must compete with regular Park operations for the attention of Park management.

Funding has also been an issue in the preservation of the Park's Museum Collection. In FY94, a commitment was made to provide base funding for a Museum Curator, which elevated the importance of the operation of Park collections and has increased eligibility for special funding allocations for specific museum projects.

Archeology - Less than 1% of the Park's surface area has been surveyed for archeological resources. Unknown archeological resources may be at risk with each proposal for a ground-disturbing project, and specific archeological surveys are often required for each specific project. This is time- and cost- intensive, as well as not being an adequate approach to analyzing the Park's archeological resources as a whole. A parkwide archeological study was begun in 1992 and completed in 1996.

Ethnography - As expressed in the Park's Statement for Management, 1988, one of the objectives for management is "to protect and perpetuate for American Indians, their inherent right of Freedom to believe, express, and exercise the traditional religions of the American Indian." To fulfill this objective, the

park needs to obtain additional information and understanding its American Indian ethnographic resources. A Park Ethnographic Overview and Assessment study was initiated in 1992 and completed in 1994. The information gained in this study has helped in recognizing and protecting ethnographic resource values through increased sensitivity displayed in Management decisions and through a more informed Section 106 review process for Park management proposals.

Native American Religious Rights: As expressed in the park's Statement for Management, 1988, one of the objectives for management is "to protect and perpetuate for American Indians, their inherent right of Freedom to believe, express, and exercise the traditional religions of the American Indian." To fulfill this objective, the park needs to obtain additional information and understanding its American Indian religious resources.

B. RESOURCE MANAGEMENT APPROACH

National Park Service policy direction for resource management is established in the Service's Management Policies. Chapters 5 and 6 provide policies with respect to Natural and Cultural Resources, and Chapter 7 provides policies for Wilderness Preservation and Management. Guidelines for the application of the stated policies to park resources and to address resource issues have been promulgated in NPS-77. These policies and guidelines serve as a basis and direction for the park's resource management program.

These national policies set the framework within which regional and park policies and objectives are established. The servicewide policy also states that "Park managers should ascertain park-specific purposes and management direction from the park's enabling legislation and determine general management direction, not inconsistent with the enabling legislation, from the organic act."

The park's resource management approach is outlined in the park's Statement For Management. Significant elements of the park management strategy are as follows:

1. Restore and protect and define Glacier's naturally functioning ecosystem, recognizing humans as part of this system, and allow natural processes to maintain the integrity of the ecosystem. Accomplish this through a Bio-Regional perspective.

2. Conduct and encourage scientific research that contributes to the understanding and management of ecological and cultural systems and incorporate that collected information into management actions and strategies.

3. Identify, interpret, and protect the park's significant cultural resources and manage them as a vital component of Glacier's resource spectrum.

4. Conserve park resources by working with others to integrate management of those resources and human needs in the regional ecosystem and provide leadership in the communication and promotion of park and conservation values.

5. Identify and develop mutually beneficial relationships with others who affect or are affected by the park and strengthen the park's role as a positive force in the well-being of the region, the state, the nation, and the world.

6. Provide the facilities and services needed for visitors to experience the park's beauty and understand the processes involved in the formation and maintenance of Glacier National Park.

7. Foster public appreciation, understanding, and enjoyment of the cultural and natural resources of Glacier National Park and the surrounding area.

Glacier National Park has hundreds of structures and sites that are either considered culturally significant or are 40 or more years old. These structures serve as National park Service administrative facilities (buildings, roads, trails, etc.), concession operations, or residences. There are archeological sites and quaternary resources both discovered and undiscovered throughout the park, and these resources must be inventoried, evaluated, and managed. Management alternatives must be selected for these resources based on their significance, condition, importance to park operations, and maintenance needs.

Management Alternatives for cultural resources, and the impacts of alternatives, are as follows:

1. No Action. Continue current routine maintenance procedures to keep resources in their existing condition (condition of stability or condition of continuing deterioration) until removal. This alternative would require continued funding at current levels. Possible results of this alternative may include funding for inappropriate structures, eventual deterioration of significant structural resources, and a general lack of direction. Many actions may require mitigation. For cultural resource sites such as archeological sites, this alternative may equate with preservation of the site.

2. Deterioration. Structures will be allowed to deteriorate. If deterioration is chosen as the alternative for a structure, it will not be preserved or restored, but will remain as a possible interpretive site of Glacier's historical past. No funds need be allocated for this alternative.

3. Removal. Some structures may no longer suit administrative needs and for management purposes would be removed. This would adversely affect these cultural resources, which are irreplaceable; however, such structures are generally beyond repair or wholly unsuitable for present or future use. Implementation of this alternative requires legal compliance and mitigation. Funding allocation may be required for removal. If a structure is judged a safety hazard, it will be recorded and removed.

4. Adaptive Use. Structures will be modified to adequately serve their present and future function. Increased maintenance funds will be needed to bring many of these structures up to a standard of good condition. As a result of this alternative, historic fabric might have to be removed and replaced by similar or more energy-efficient or cost-efficient material. Thus, historic structures would be altered. Implementation of this alternative may require legal compliance review, and, depending on the size of the project, may require special funding.

5. Preservation. Structures will be maintained and preserved. All maintenance work on structures will retain, as much as possible, the maximum amount of original fabric. When parts of structures have deteriorated beyond repair, replacement work will match historic fabric with the original materials. In some cases, a Historic Preservation Guide may need to be written. Implementing this alternative would call for increased funding levels which exceed existing maintenance capabilities. As funds are acquired, structural cultural resources will be preserved and allowed to serve appropriate administrative functions. This alternative may equate with the "No Action" alternative at cultural resource sites. Interpretive programs may be developed at certain locations.

6. Restoration. Structures will be restored to their original appearance. A Historic Structure Report will be written for each restoration project; these reports will contain the history and documentation of the structure. All materials used will be as similar to the original fabric as possible. Additional funds will be required to

accomplish restoration work. Restoration of certain facilities and areas could create a need for more facilities in another location which could affect the natural resources in those additional locations.

7. Investigation and Evaluation. Cultural resource sites may need to be investigated and evaluated. Where excavation is required, this may equate to destroying the site. Appropriate clearances will be obtained and such sites will be fully documented. The sites may then be developed or restored to a natural appearance. Their physical cultural value may be lost. Special funding is needed for investigation and evaluation of these sites.

Specific resource management strategic goals are discussed further within the park's "Future Focus, A Management Strategy for Glacier National Park."

The conservation of naturally functioning ecosystems requires both predictive and reactive management capabilities. Knowledge and its use are therefore the foundation for a management model; the ecosystem concept forms the framework while the information provides a common language for addressing issues of ecological concern.

Management needs knowledge in sufficient quantity and quality to allow well-founded decisions and actions on natural resource issues. Management should be able to predict and prevent resource degradation and correct or mitigate problems that impair ecosystem integrity. Inventories of resources, monitoring the systems for status and trends, and research designed to understand relationships are important sources of required knowledge.

Applying scientific principles to the ecosystem management process provides an equally important source of information about resources. When combined, the processes of inventory, monitoring, research, and ecosystem management provide the elements for the management model; an information network assures that it functions properly. Management programs that use existing information to test and measure ideas, concepts, and theories about problems and issues are recognized for their effectiveness.

The park's resource information system includes a park library, archives, information records, and a geographic information system that should be linked through a computer network. Information is screened for relevancy and quality prior to its inclusion, and annual reports and evaluations ensure its continued usefulness to a variety of interest groups. The system should function both as the communications pathway and the definitive source for resource information.

Strategies for implementing the management model for resources

management are as follows:

Natural Resource Management:

1. The park will support a resident professional resource management staff that will monitor the status of the ecosystem natural resources and apply existing knowledge toward resource preservation and conservation.

2. The park resource management program is founded on resource conservation and species preservation and the need to support the park environment for the scientific values represented.

3. The long-term value of resource management's conservation efforts is linked to credible actions that result from carefully applied use of scientific knowledge, the documentation of that application, and the analysis of collected data and appropriate responses to that analysis.

4. In conjunction with science, an inventory of ecosystem components will be designed and constructed as a data bank and geographic information system of use to all interested entities, including the park and the scientific community.

5. A monitoring system will be implemented, tested, and, as necessary, modified to meet needs. The park recognizes the importance of long-term, consistent monitoring programs that are not altered annually.

6. Resource management actions will be applied based upon relationships among ecosystem components.

7. The resource management program will function with the philosophy that the ecosystem encompasses all abiotic and biotic components within that defined area, that the ecosystem is composed of interrelated processes, that professionalism, communications, and excellence create credibility, and that credibility will establish the program value.

Cultural Resources Management:

1. The park will support a resident professional cultural resource management staff that will monitor and perform compliance actions on park actions that affect cultural resources. Park cultural resources include the park's library, archives, and museum collection, in addition to park structures, roads, trails, and historic districts and settings, and archeological resources.

2. The park cultural resource management program is built on a preservation ethic directed by the National Historic Preservation Act, the Secretary of Interior's Standards for Historic Preservation, and National Park Service cultural resource management guidelines. The cultural components of the park's resources are an important part of the whole that makes Glacier National Park a unique place in the world, and these components must be preserved.

3. The long-term effectiveness of cultural resource management and protection of cultural resources is linked to the carefully applied practice of preservation science, documentation of preservation actions, and appropriate response to data collected on cultural resources. Appropriate response could include nomination to the National Register, maintenance action, additional research, setting priorities for maintenance actions, documentation, and compliance review of proposed removal of certain cultural resources, or other actions.

4. An inventory of park cultural resources including structures, roads, trails, ruins, historic and prehistoric archeological sites, and other culturally valued sites, will be completed in conjunction with analysis of cultural resources for National Register eligibility. This inventory will serve as a data bank for historic research for all interested entities and to support management decisions.

5. A monitoring system for cultural resources, designed in conjunction with the maintenance staff, will be implemented, tested, and as necessary, modified to preserve the cultural resources through maintenance and documentation.

6. Park management actions will be taken with full consideration for cultural resource management values, needs, and mandates of cultural preservation law and policy.

7. The cultural resource management program will function with the philosophy that all actual and potential cultural resources will be evaluated for National Register eligibility and will be managed accordingly with full documentation of all maintenance actions and management decisions if eligible. In maintenance and in cultural resource management, professionalism, communications, and excellence create credibility, and that credibility will establish the program value.

CULTURAL CONTEXTS

The National Historic Preservation Act of 1966, as amended, directs all federal agencies to identify and evaluate actual and potential cultural resources that they manage for eligibility for nomination to the National Register. Evaluation to determine whether identified properties meet the National Register criteria includes considering the specific facts about each property in the perspective of the historic context to which it relates.

The Park's Cultural Resources Management Plan (NPS, Glacier National Park. 1988) identified a number of "themes", or contexts, for the Park's cultural resources. These contexts include:

1. Prehistoric Montane and Plains Settlement and Subsistence (12,000 B.C. to present); Recent studies have shed some light about the extent to which people used the area now known as Glacier National Park prior to the white man's arrival. Some archeological sites have been identified and indicate aboriginal use primarily centered around hunting and food gathering.

2. Fur Trade (1795-1850); Very little is known about the resources of this era. It is believed that there are cabin ruins and possibly manuscripts located in other museums.

3. Period of Discovery (1850-1900); During this period George Bird Grinnell, James Willard Schultz, Lyman Sperry, the Great Northern Railway, and the final Boundary Survey of the 49th parallel all had their impact on the discovery of this future national park.

4. Exploitation-Homesteading (1897-1920); After the Great Northern Railway came through the area in 1891, and until 1910 homesteaders established settlements throughout Glacier. Many of these properties are left today. Some are owned by the Government now while others remain in private ownership. The resources vary from intact homesteads to ruins with a variety of dumps. Records exist in the park archives and there are some material remains in the collection.

5. Exploitation-Mining, Oil, Timber (1890-1920); Exploration for minerals, oil and timber came early (1880 in the North Fork region) and increased after the railway came through in 1891. All that remains from these activities are ruins and historical records and artifacts.

6. Early Pre-Park Tourism (1890-1910); Prior to the establishment of Glacier National Park, there was a series of homesteaders who recognized the potential for a local tourist industry. These individuals built cabins for the summer visitor and many still remain today.

7. Concession Development (1910-1933); This era left Glacier National Park with valuable resources. The Great Norther Railway constructed a series of hotels and chalets, many of which are still in use today. On several of Glacier's lakes, tour boats dating from the late 20's and 30's provide visitor transportation. Busses that traversed Going-to-the-Sun Road during its opening ceremonies are used today by tourists to see the park.

8. Concession Development: Post-Depression and World War II (1934-1960); As America passed through the depression and World War II, the number of automobile-based visitors to Glacier greatly outdistanced rail visitors. The National Park Service insisted that the Great Norther Railway build inexpensive accommodations to fulfill the needs of the new travelers. These structures remain today.

9. Early Park Development (1910-1930); Since the establishment of the Park in 1910 and the formation of the National Park Service in 1916, the Park's administrative structure has changed and grown. During this growth structures have been built and new policies written. Many of the original structures stand among the newer ones. The written records of developing policy are preserved in Glacier National Park's Archives.

10. Government Work Projects--CCC, WPA, Conscientious Objectors (1934-1960); After Glacier National Park's initial development and funding efforts, additional work and building projects were completed by many government work groups. The CCC work in the Park centered primarily around planting trees, building trails, and clearing brush. Other work projects built many of the buildings in use today.

11. Mission 66 (1955-1966); At this time the Mission 66 work is not considered a cultural resource, but in time if the structures are not altered significantly, these too will represent an era of the Park's history.

12. Transportation; The Concessions Context document, cited below, established transportation as a context, affecting not only how people arrived at the Park, but how they travelled through the Park. Trails, roads, horse concessions, tour boats, and tour buses all played an important role in this context.

In 1992, the Park's contexts were further refined with the production of the Historic Context and National Register Guidelines for Concession Operations, Glacier National Park, Montana, (NPS contract, Historic Research Associates, Missoula, MT. 1992). This document discusses separation of "world-class" and "economy" accommodations in the Park, establishes a "transportation" context, and establishes registration requirements for evaluation of these potential cultural resources as potential National Register eligibles.

SCIENTIFIC RESEARCH

1. The park will encourage and provide logistic support to the Glacier Field Unit of the USGS Biological Research Division which conducts scientific research on park management issues.

2. The park research program is founded on resource management needs as well as the inherent scientific values of the park environment.

3. The value and credibility of research products are enhanced through an academic and public communications network that extends from the local to the international level.

4. In conjunction with resource management, an inventory of ecosystem components will be constructed as a data bank and geographic information system for the park, interested agencies, and the scientific community to use. Emphasis will be placed on the ability to transport the gathered information among systems.

5. A monitoring program to assess the status, trends, and health of the ecosystem will be developed by the USGS/BRD in concert with the park resource management staff.

6. Research will be conducted to describe and understand relationships among important ecosystem components and the abiotic environment.

A summary of the park's resource management program components is presented on page 20. A stepdown of ecological systems of concern is presented on page 21.

FIGURE 1. SUMMARY OF PARK RESOURCE MANAGEMENT PROGRAM

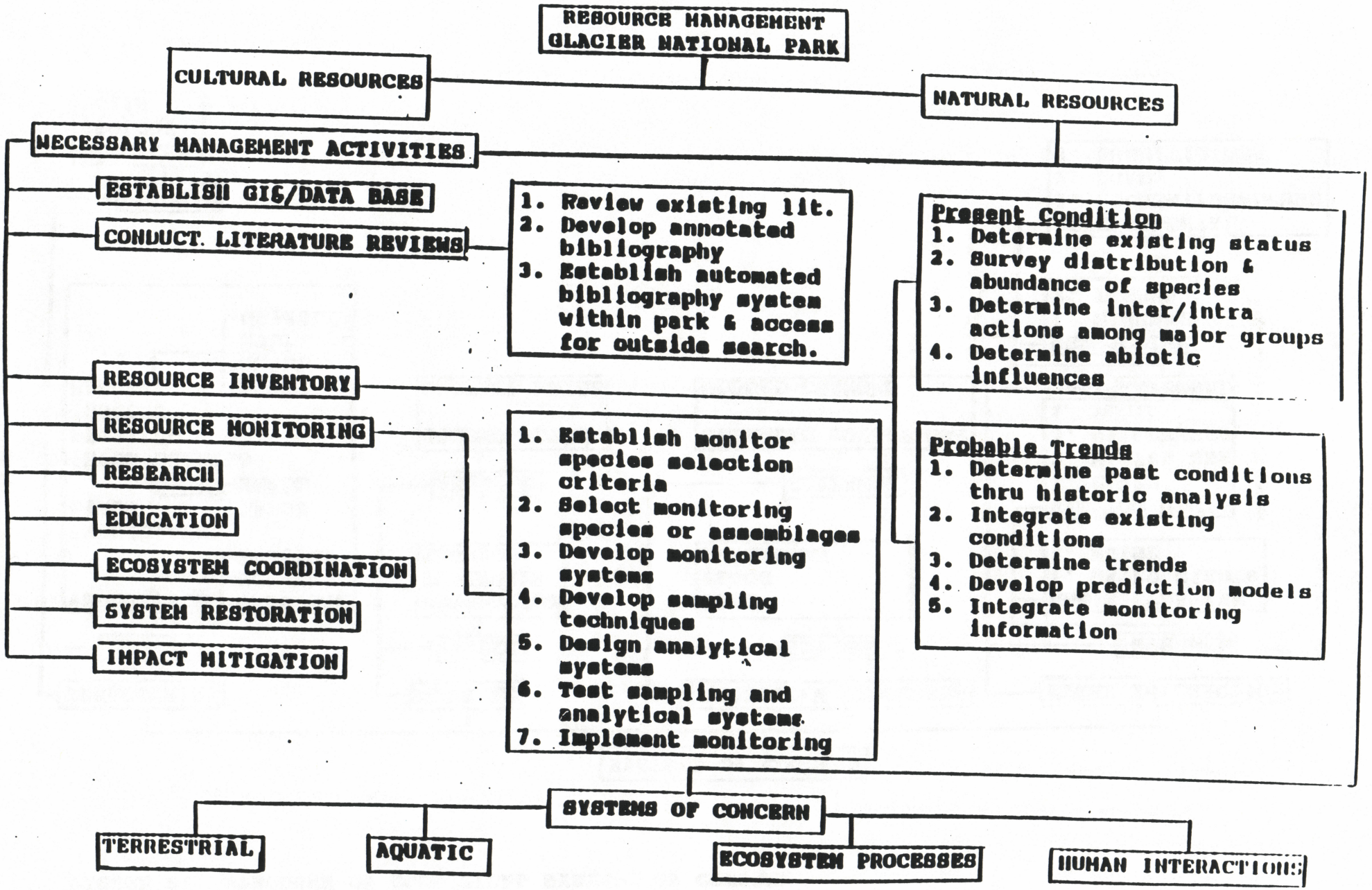
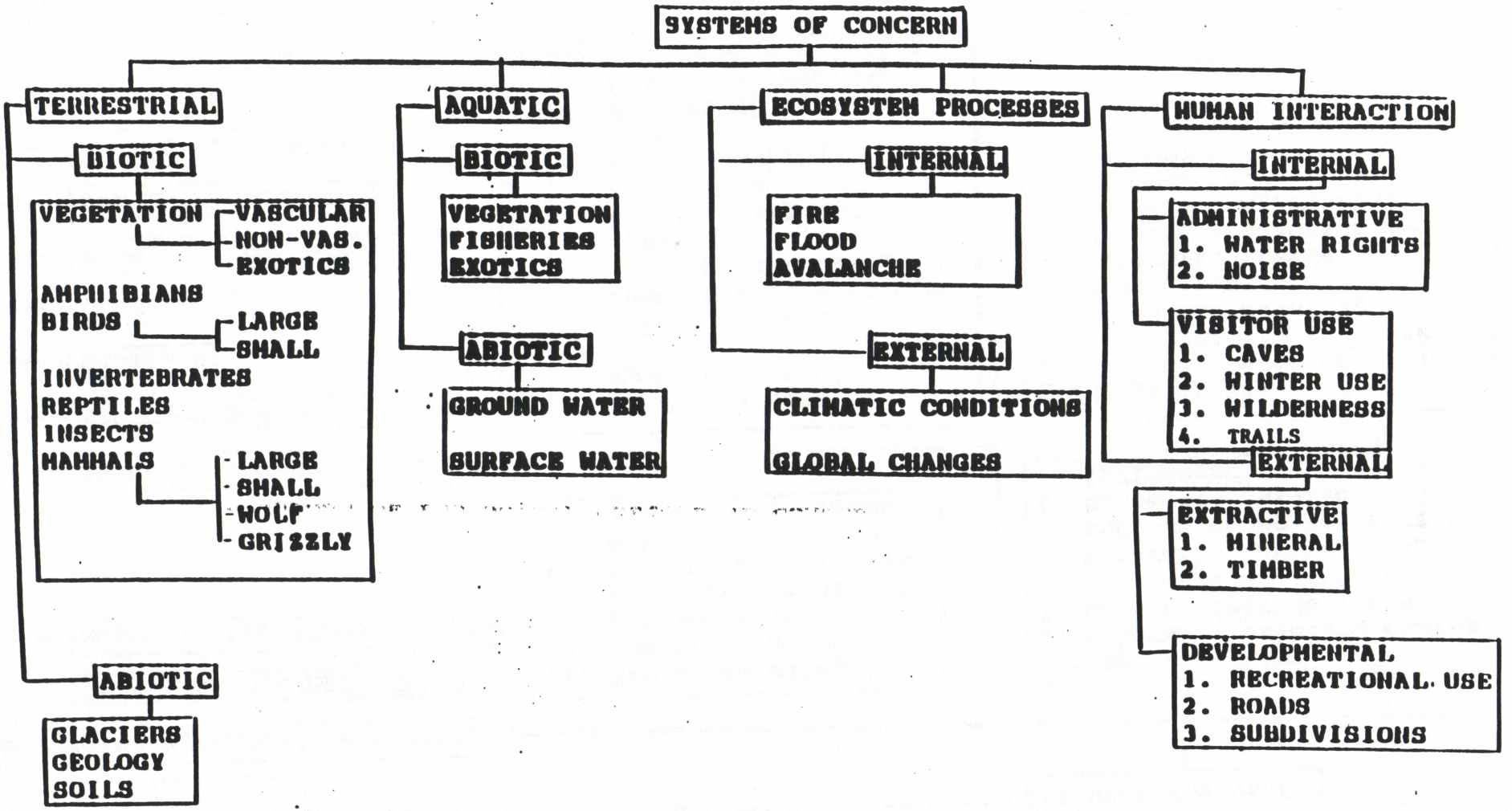


FIGURE 2. STEPDOWN OF ECOLOGICAL SYSTEMS OF CONCERN



GLACIER NATIONAL PARK -- Resource Management Action Plans

PLAN	PREPARER	APPROVED
Wilderness Recommendation	Park	3/74
Interpretive Prospectus	HFC/Park	1992
Statement for Interpretation	Park	2/90
Land Protection Plan	Park	3/90
Bear Management Plan/Guidelines	Park	6/97
Backcountry Management Plan	Park	11/91
Wildland Fire Management Plan	Park	10/93
Structural Fire Plan	Park	12/80
Hazard Tree Plan	Park	3/94
Apgar Development Concept Plan	Park	Draft
Many Glacier DCP	DSC	12/86
St. Mary Development Concept Plan	DSC	12/86
Lake McDonald DCP	DSC	10/86
North Fork Management Plan	DSC	8/92
Scope of Collection Statement	Park	1985
Transportation Plan	DSC	10/90
GTSR Cultural Resources Plan	Park	3/91
Sign Plan	Park	6/89
Water Quality Monitoring Plan	FLBS	9/90
Collections Management Plan	RMRO	1992
Loss Control Management Plan	Park	6/90
Exotic Vegetation Management Plan	Park	3/91
Bald Eagle Nest Management Plan	Park	Draft
Lion Management Plan	Park	4/97
Hazard Waste Management Plan	Park	10/92
Hazard Fuels Management Plan	Park	12/93

C. STATUS OF RESOURCE MANAGEMENT CAPABILITIES

1. FUNCTIONAL RELATIONSHIP AMONG PARK DIVISIONS:

A. Division of Resources Management - Provides a credible program of natural resources management through the identification and formulation of research needs, the integration of existing knowledge and the application and implementation of natural resource plans and projects designed to assure the conservation, protection and restoration of resource integrity and ecological viability.

B. Division of Interpretation (organizational responsibility also for Cultural Resources Unit) - Provides educational information to all interested parties concerning park resource values, resource management actions, scientific and research results, and creates educational media that will further the public knowledge of those resource values. Cultural Resource Management Unit responsibilities include park history, archeology, ethnography, and curation.

C. Division of Park Maintenance - Provides structural and facility maintenance that allows for a safe and enjoyable park experience, while operating within a sound ecosystem conservation ethic.

D. Park Management - Makes or endorses final decision processes after full consideration of available scientific information, realizing that other considerations may override that information.

E. Division of Planning and Compliance - Prepares NEPA documents. Includes park's GIS and Data Mngmt. functions.

Each of these units, as well as other park work units, will be expected to participate actively in the resource conservation process through actions aimed at resource protection, problem identification, and proposal of impact mitigation measures.

Glacier National Park was established to conserve the resource values and to provide for public enjoyment of the resources, so long as that enjoyment does not result in resource degradation.

2. Division of Resources Management

A. Program Overview:

The Division of Resources Management provides and\or obtains the professional expertise and information to enable park management to

make well-informed, scientifically-sound decisions concerning long-term conservation and protection of park resources, and assures the effective representation of park resource needs in local and ecosystem wide natural resource issues. The Division maintains the logistical and technical capabilities to address all major natural resource subject area issues and works closely with the Division of Interpretation to enhance the explanation and understanding of the Park's reosources and their role in the broader ecosystem.

1) The identification, formulation, and application of long-term research needs and findings.

2) Assembly, evaluation, and transfer of all natural resource information pertinent to the management of the Glacier ecosystem into a centralized database and Geographic Information System (GIS) which is available to all Park divisions and other agencies.

3) Translation of research information into a Resource Management Program focused by a strong Resources Management Plan and individual Action Plans on selected issues;

4) The initial assessment, technical design, planning, and evaluation of specific resource management actions including: assessment and evaluation of action options, development of techniques, application and implementation of specific plans and\or projects, resource conservation and protection actions and training.

5) Leadership and oversight for all monitoring and resource management functions.

6) Technical services to Interpretation, other park divisions, other NPS units, and outside universities and agencies as appropriate.

The Division will maintain adequate computer, geographic information system, database, greenhouse, and laboratory facilities to support these responsibilities.

It is the responsibility of the Division of Resources Management to design, test, implement and evaluate resource monitoring techniques, exotic vegetation management programs, vegetation rehabilitation procedures, problem wildlife control procedures, prescribed fire programs, and other similar field level resource management activities.

The Division of Resources Management functions as an organizational division of the Park under the Assistant Superintendent. Technical services and assistance are provided directly to the Superintendent or directly to other divisions, as required. The division interacts

routinely with other federal, state and local land management agencies concerning technical aspects of issues, management activities, data collection, and scientific studies. Interaction with other land management agencies will include providing technical assistance and timely information on resource issues of common concern. The Division will interact with the Waterton Lakes National Park Staff, National Parks Canada, and other national and international groups and agencies as appropriate to foster understanding and preservation of the Glacier ecosystem.

The Division maintains, in accordance with NPS-77 and the Servicewide publications program, a timely publications program. Division staff is expected to maintain close professional ties with other scientists and professional resource managers through attendance at professional meetings, correspondence, resource technical training, and field visits.

The Division of Planning and Compliance oversees and maintains a park natural resources information center consisting of:

1) A GIS and integrated database management computer facility.

2) A research and resource data archives, including aerial photography collection and map files.

3) Resources publication supply and library.

Facilities, services, and assistance of the resources information center is available for use by all park staff and divisions.

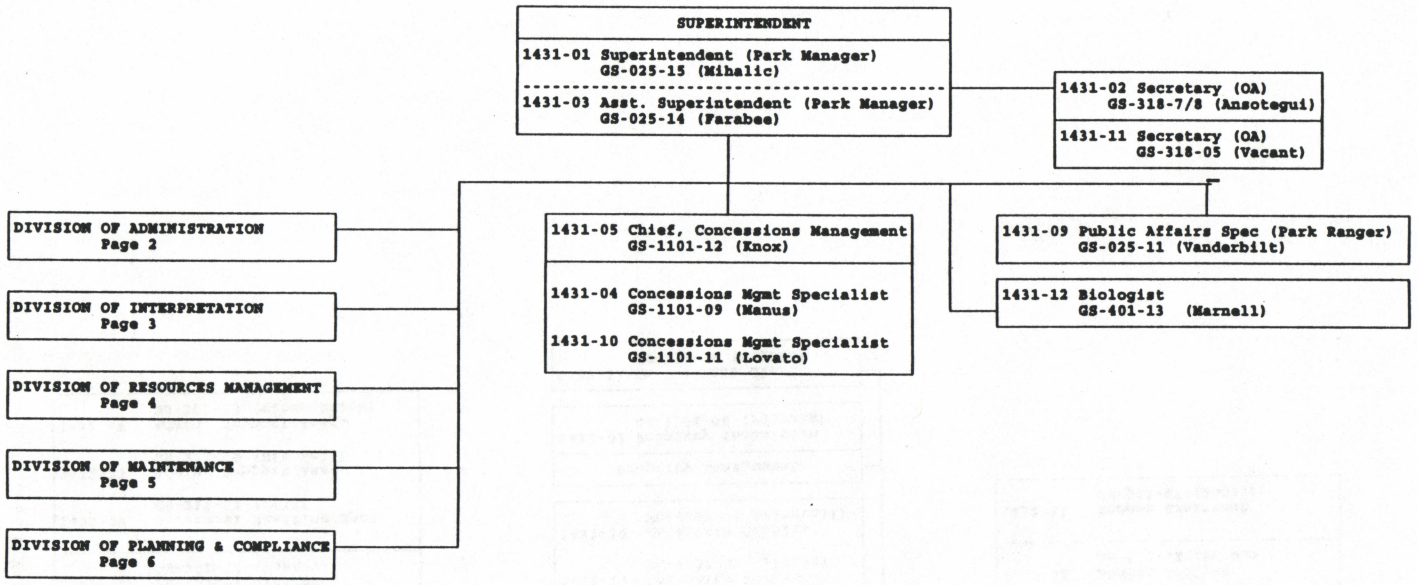
B. Organization and Staffing:

The Chief Park Ranger serves as the Division Chief for the Division of Resources Management and provides overall coordination and general supervision for the branches of Visitor Services and Natural Resources (page 25). A Resources Management Branch Chief oversees a staff of nine specialist positions including air and water resources, vegetation resources, wildlife resources, endangered species and GIS services.

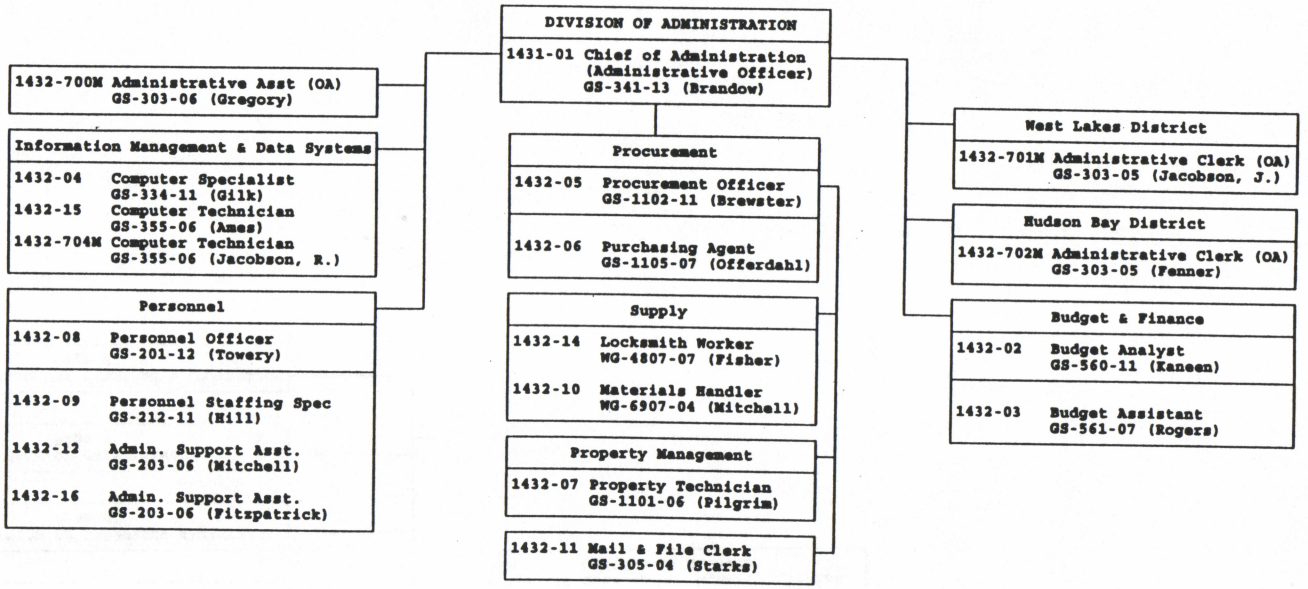
A Branch Chief for Visitor Services oversees a staff of operations specialists including two District rangers, a Wilderness Manager, Trails and Corrals Managers, a Field Applications Specialist and a Protection Specialist (page 25).

Division administration and office functions are provided by a Management Assistant under the supervision of the Chief Ranger and a Secretarial Assistant under the supervision of the Management Assistant.

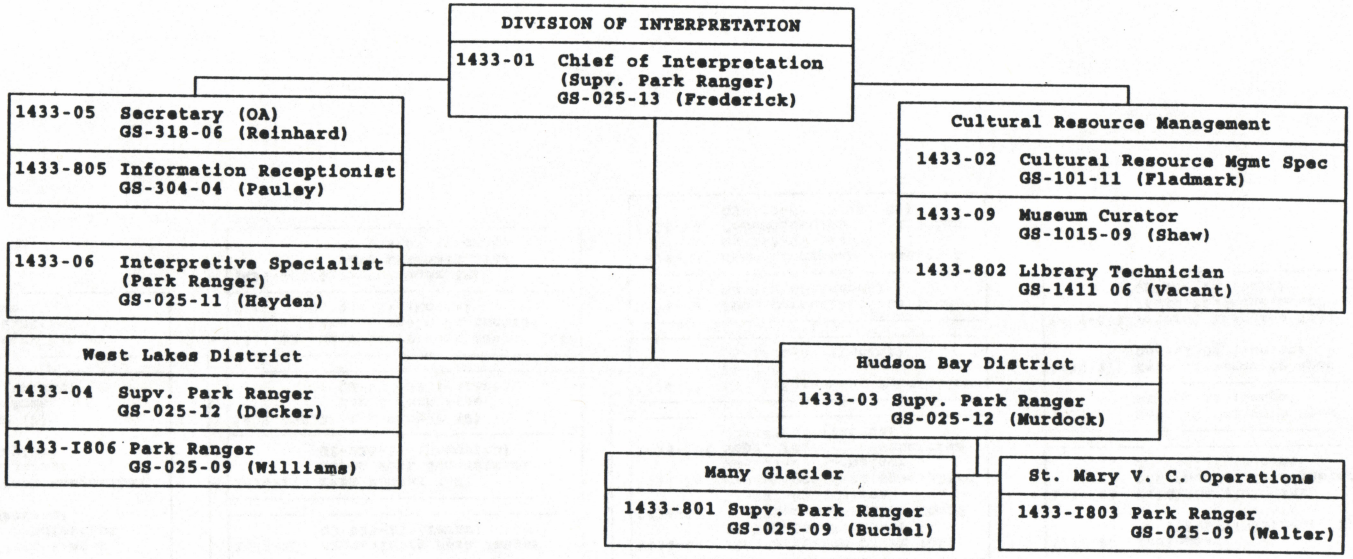
GLACIER NATIONAL PARK



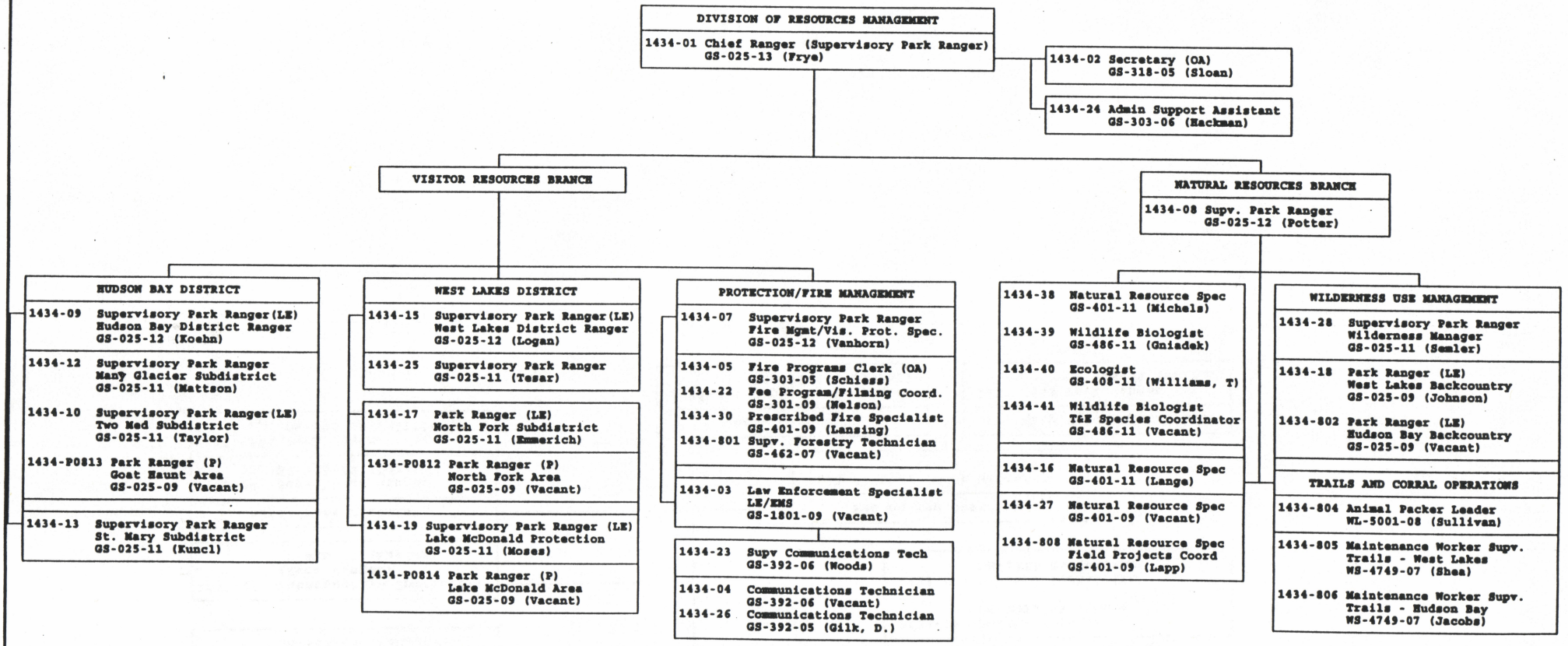
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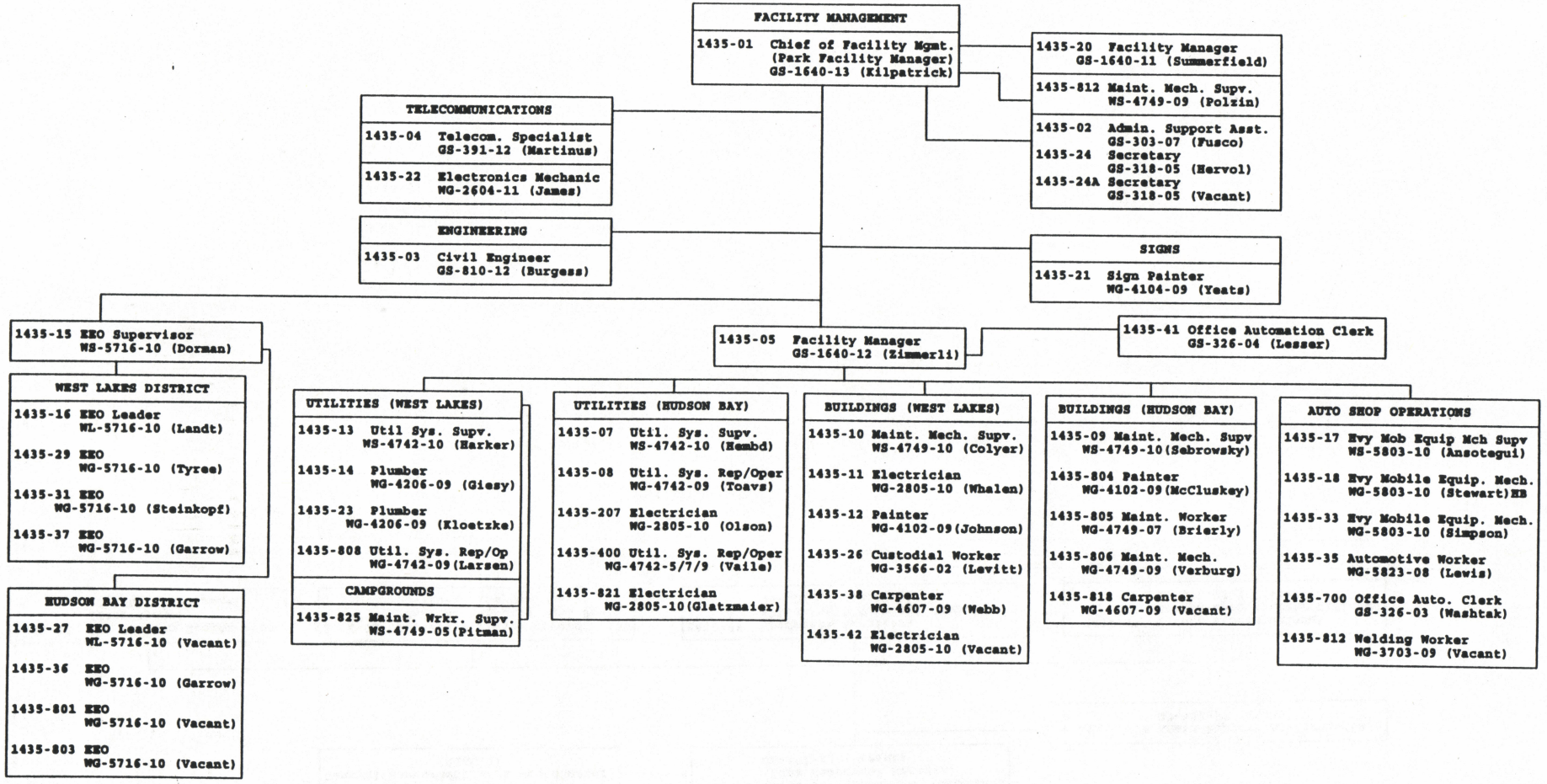
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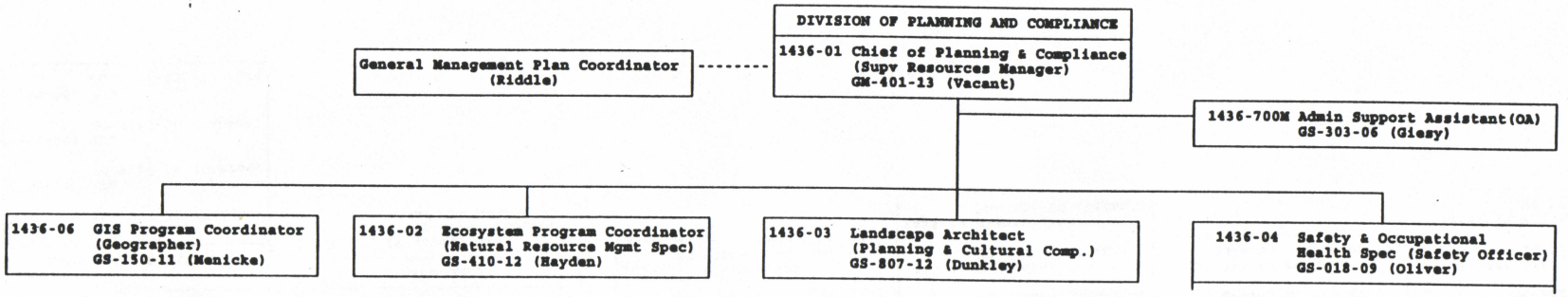
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ORGANIZATION CODES:

1431	Management
1432	Administration
1433	Interpretation
1434	Resources Management
1435	Facilities Management
1436	Planning & Compliance

POSITION NUMBERS:

2 digit	Permanent Full Time Position
700 series	Permanent Part Time Position
800 series	Permanent Subject to Furlough (Career Seasonal)
200 series	Permanent Veterans Readjustment Appointments
500/600 series	Temporary Positions (Cyclic work and special projects positions are not shown on this organization chart)

PAY SYSTEM:

GS-GENERAL SCHEDULE, which stands for a nationwide pay schedule set by Congress. It covers most "white collar" jobs including Park Rangers. GS pay rates are set annually by Congress.

FEDERAL WAGE SYSTEM:

WS - Wage Supervisor
WL - Wage Leader
WG - Non-supervisory wage grade employees

The wage rates are based on a local wage survey conducted by Malmstrom AFB each year.

SERIES/GRADE: The series code stands for the type of position as defined by the U.S. Office of Personnel Management (OPM). The title, series, and grade are arrived at by comparing a position description which describes the duties and responsibilities of each position with classification standards issued by OPM.

3. DIVISION OF INTERPRETATION & CULTURAL RESOURCES MANAGEMENT

A. Program Overview - The primary responsibility of park interpretation is to instill an understanding and appreciation of the significance of Glacier National Park and its resources. Developing public support for preservation and appropriate use of park resources is the critical responsibility of the park interpretive program. Interpretation fosters public support for park resources and regional ecosystem values by imparting accurate information in a framework of enjoyable experiences professionally delivered to park visitors, park neighbors, national and international clientele.

The interpretive program at Glacier provides information on park resources, informs visitors about recreational opportunities, helps them understand their relationship and responsibilities to the park environment, and explains regulations and safety concerns. Transmittal of information necessary to ensure the successful adaptation of visitors to the park environment and to encourage appropriate, safe, minimum impact use of the park is a second responsibility of the park's interpretive programs.

People are more likely to accept and support a sound although controversial management action when they learn its rationale, the research on which it is based, and the possible consequences of not adopting it. Providing park visitors, neighbors, and national clientele with easy access to, and an understanding of the information on which our management is based, especially when those policies or actions may result in restricting some form of use or implementing controversial actions, is a third responsibility of the park's interpretive program.

The primary functions of Interpretation at Glacier National Park include:

- Identify park interpretive themes, activities, and media which are drawn from the Resources Management Plan, the Statement for Management, Future Focus, enabling legislation for the park, Glacier Science Summary, Interpretive Prospectus, National Park Service (NPS) interpretive initiatives, and ecosystem concepts.

- Direct and deliver the overall interpretation program of guided activities, on-site and off-site programs, exhibits, audiovisual media, publications, and outreach programs such as environmental education and seminars.

- Staff Visitor Center and Ranger Contact Stations in

order to provide information, deliver interpretive activities, sell publications about the park, and issue backcountry use permits.

- Establish the primary park themes and objectives for interpretation, information, and education services offered within the park, throughout the regional community, and to a national and international audience.

- Compile and analyze current management concerns in order to identify special emphases for the annual Interpretive Operations Plan. Develop those emphases to highlight the interpretation of resource management and the role of science in the park, prescribe appropriate visitor safety messages, identify special interpretive initiatives like forest, fire, preservation of biological diversity, T&E species recovery, ecosystem management, Man and Biosphere programs, and global climate change.

- Determine the interpretive program necessary to achieve identified goals and objectives. Formulate annual and long term planning documents and funding requests at a level to assure delivery.

The Cultural Resources Management Unit inventories cultural resources, provides research and information that contribute to understanding and evaluating those resources, and carries out preservation activities. The Cultural Resource Management Unit assures continued conservation of historic objects, structures, archeological artifacts, biological specimens, historical archives, and library and photographic records, which contribute to the understanding of park resources. In summary, the Division of Interpretation at Glacier National Park has responsibility for cultural resources management including:

- Curation - the collection, registration, cataloging, preservation and long term storage of natural and cultural objects in the Museum Collection.

- Archives - the preservation and storage of a reference library, original photos, historic documents, slide files and rare books and to make the information available and retrievable for park staff and interested researchers.

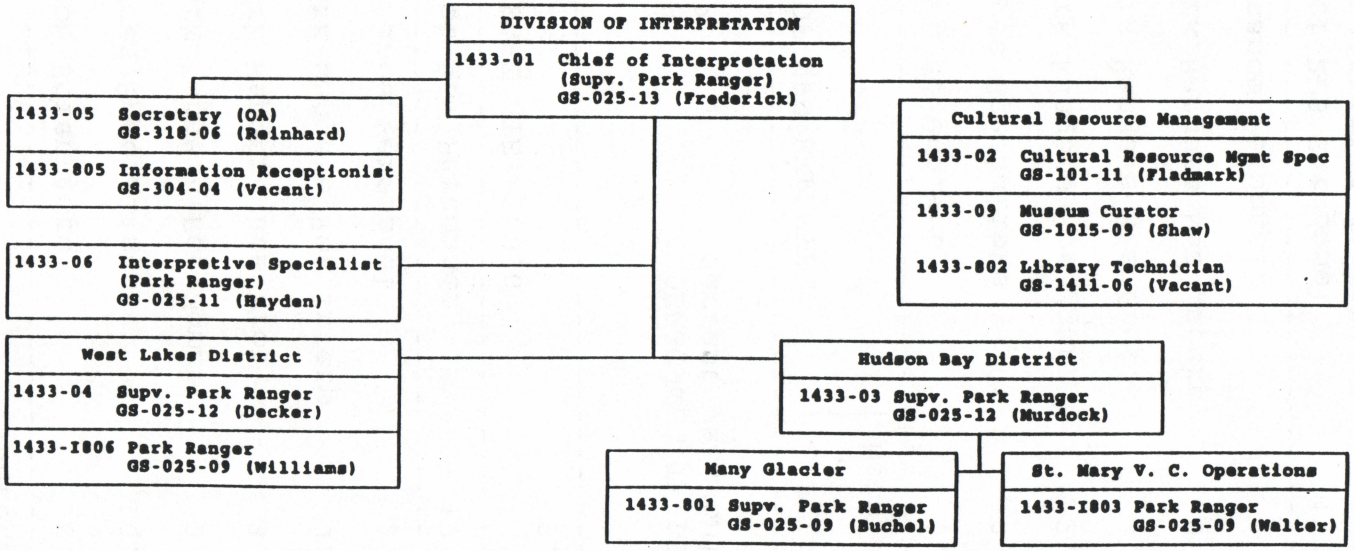
- Historic Resources - assure documentation and compliance as directed by section 106 of the Historic Preservation Act; compile and maintain data required for nomination of historic buildings and sites to the National Register.

- Archeology - research, study, and survey to better understand prehistoric uses of the park area and assure the preservation of sites, artifacts, and information.

- Ethnography - research and compile information to promote awareness and preservation of traditional and contemporary uses of park environment by native people.

B. Organization and Staffing

The Division of Interpretation is headed by the Chief Park Interpreter who has supervisory responsibility for the Cultural Resources Specialist, the Museum Curator, the park librarian and an interpretive staff of permanent and seasonal interpretive naturalists (page 29).



Approved: _____ Date: 2/16/06

02/10/98 PERSONNEL TABLE FY: 1997
10:01:41 (current year only) Park: GLAC
Cluster: RMSO

TYPE OF NPS EMPLOYEE	FTEs OF RESOURCES WORK		
	Natural	Cultural	Total
Research Scientists	0.0	0.0	0.0
Resources Specialists	10.0	2.0	12.0
025 Park Rangers Res Mgmt	2.0	0.0	2.0
025 Park Rangers Res Prot	3.0	0.0	3.0
025 Park Rangers Res Interp	0.5	0.5	1.0
Maintenance Personnel	2.0	0.0	2.0
Total of RES Personnel	17.5	2.5	20.0
TOTAL PARK FTE: 200.0 PERCENT	8.8%	1.3%	10.0%

02/10/98 PERSONNEL TABLE FY: 1998
10:01:42 (current year only) Park: GLAC
Cluster: RMSO

TYPE OF NPS EMPLOYEE	FTEs OF RESOURCES WORK		
	Natural	Cultural	Total
Research Scientists	0.0	0.0	0.0
Resources Specialists	10.0	2.0	12.0
025 Park Rangers Res Mgmt	2.0	0.0	2.0
025 Park Rangers Res Prot	3.0	0.0	3.0
025 Park Rangers Res Interp	0.5	0.5	1.0
Maintenance Personnel	2.0	0.0	2.0
Total of RES Personnel	17.5	2.5	20.0
TOTAL PARK FTE: 200.0 PERCENT	8.8%	1.3%	10.0%

Active Filter: (No filter)

Output Selections:
Sorted by: Resource Type + Project Number
Years: All years
subtotal after change in Resource Type
grand total

02/10/98 ACCOMPLISHMENTS LIST Page: 0001
13:24:36

YEAR	PROJECT NUMBER	PROJECT TITLE	SUB-TITLE	FUNDED	FTE	TO DATE	PERCENT
1996	GLAC-C-701.000	UPGRADE COLLECTION ACCESS AND ACCOUNTABILITY		20.00	0.20	20.00	50
1996	GLAC-C-702.000	CATALOG MUSEUM COLLECTION BACKLOG		17.00	0.20	17.00	60
1994	GLAC-C-715.000	ADMINISTRATIVE HISTORY OF GLACIER NP		20.00	0.50	20.00	0
1995	GLAC-C-715.000	ADMINISTRATIVE HISTORY OF GLACIER NP		30.00	0.50	50.00	0
1996	GLAC-C-715.000	ADMINISTRATIVE HISTORY OF GLACIER NP		20.00	0.50	70.00	45
1996	GLAC-C-726.000	CYCLIC MAINTENANCE-BLDGS		50.00	1.30	100.00	10
1994	GLAC-C-747.000	CYCLIC MAINTENANCE - ROADS		580.00	5.00	1130.00	0
1995	GLAC-C-747.000	CYCLIC MAINTENANCE - ROADS		640.50	6.00	1770.50	0
1996	GLAC-C-747.000	CYCLIC MAINTENANCE - ROADS		650.00	6.00	2420.50	40
1994	GLAC-C-748.000	CYCLIC MAINTENANCE-TRAILS		130.00	4.00	260.00	0
1995	GLAC-C-748.000	CYCLIC MAINTENANCE-TRAILS		140.00	2.00	400.00	0
1996	GLAC-C-748.000	CYCLIC MAINTENANCE-TRAILS		140.00	2.50	540.00	0
1994	GLAC-C-756.000	ARCHEOLOGICAL SURVEY OF PARK		165.30	0.00	283.50	30
1996	GLAC-C-758.000	INVESTIGATE-DOE-NOMINATE KNOWN ARCHEOLOGICAL SI		40.00	0.00	40.00	0
1997	GLAC-C-759.000	UNDERWATER ARCHEOLOGY		5.00	0.10	5.00	0
1994	GLAC-C-771.000	ETHNOGRAPHIC OVERVIEW AND ASSESSMENT		20.00	0.00	60.00	33
Resource Type Sub-total----------				2667.80	28.80	7186.50	
1997	GLAC-N-111.000	MAP AND CLASSIFY VEGETATION		18.00	0.00	18.00	10
1995	GLAC-N-115.000	INVENTORY AND MONITOR RARE PLANTS		2.40	0.00	4.80	0
1996	GLAC-N-115.000	INVENTORY AND MONITOR RARE PLANTS		2.40	0.00	7.20	0
1997	GLAC-N-116.000	WRITE AND COMPILE PARK FLORA		1.10	0.05	1.10	15
1998	GLAC-N-116.000	WRITE AND COMPILE PARK FLORA		13.20	0.65	14.30	0
1997	GLAC-N-122.000	STOP NOXIOUS WEEDS IN GRASSLANDS		15.00	0.50	15.00	0
1994	GLAC-N-131.000	REVEGETATE DISTURBED AREAS		170.00	5.30	309.00	0
1995	GLAC-N-131.000	REVEGETATE DISTURBED AREAS		211.05	5.30	520.05	0
[illegible]	LAC-N-131.000	REVEGETATE DISTURBED AREAS		165.90	4.70	685.95	0
[illegible]	LAC-N-132.000	REVEGETATE ERODING AREAS		25.00	0.70	25.00	0
1997	GLAC-N-141.000	CONDUCT HAZARD TREE SURVEYS & CONTROL		5.00	1.00	5.00	0
1996	GLAC-N-160.000	RESTORING WHITEBARK AND LIMBER PINE COMMUNITIES		1.00	0.05	1.00	0
1998	GLAC-N-160.000	RESTORING WHITEBARK AND LIMBER PINE COMMUNITIES		23.25	1.05	24.25	0
1994	GLAC-N-201.000	WILDLIFE OBSERVATION DATA BASE COMPUTERIZATION		2.00	0.20	2.00	0
1994	GLAC-N-239.000	WOLF POPULATION MONITORING		40.00	0.50	40.00	0
1995	GLAC-N-239.000	WOLF POPULATION MONITORING		40.00	0.50	80.00	0
1994	GLAC-N-240.000	GRIZZLY BEAR FEEDING ECOLOGY		33.00	0.50	66.00	0
1994	GLAC-N-241.000	GRIZZLY BEAR POPULATION TREND MONITORING		4.00	0.20	8.00	0
1995	GLAC-N-241.000	GRIZZLY BEAR POPULATION TREND MONITORING		6.00	0.20	14.00	0
1994	GLAC-N-242.000	GRIZZLY/BLACK BEAR NICHE SEPARATION		4.00	0.20	8.00	0
1994	GLAC-N-243.000	ECOLOGY OF HIGH ELEVATION CUTWORM MOTH CONGREGA		10.00	0.10	20.00	0
1994	GLAC-N-249.000	BEAR INFORMATION MANAGEMENT SYSTEM DATA ENTRY		15.00	0.50	15.00	0
1995	GLAC-N-249.000	BEAR INFORMATION MANAGEMENT SYSTEM DATA ENTRY		15.00	0.50	30.00	0
1996	GLAC-N-249.000	BEAR INFORMATION MANAGEMENT SYSTEM DATA ENTRY		15.00	0.50	45.00	0
1997	GLAC-N-249.000	BEAR INFORMATION MANAGEMENT SYSTEM DATA ENTRY		17.00	0.50	62.00	0
1994	GLAC-N-280.000	BALD EAGLE MONITORING		15.00	0.50	30.00	0
1995	GLAC-N-280.000	BALD EAGLE MONITORING		10.00	0.20	40.00	0
1996	GLAC-N-280.000	BALD EAGLE MONITORING		10.00	0.20	50.00	0
1997	GLAC-N-280.000	BALD EAGLE MONITORING		10.00	0.20	60.00	0
1994	GLAC-N-282.000	GTSR WILDLIFE MONITORING		65.00	5.00	123.00	0
1995	GLAC-N-282.000	GTSR WILDLIFE MONITORING		12.00	0.20	135.00	0
1996	GLAC-N-282.000	GTSR WILDLIFE MONITORING		12.00	0.20	147.00	0
1997	GLAC-N-282.000	GTSR WILDLIFE MONITORING		12.00	0.20	159.00	0
1994	GLAC-N-291.000	HARLEQUIN DUCK ECOLOGY		2.00	0.10	2.00	0
1996	GLAC-N-310.000	SURVEY AND MAP SOILS		20.00	0.00	20.00	0
1997	GLAC-N-310.000	SURVEY AND MAP SOILS		20.00	0.00	40.00	0
1994	GLAC-N-349.000	GLOBAL CLIMATE CHANGE STUDIES		300.00	1.00	580.00	0
1995	GLAC-N-349.000	GLOBAL CLIMATE CHANGE STUDIES		350.00	1.50	930.00	0
1996	GLAC-N-349.000	GLOBAL CLIMATE CHANGE STUDIES		350.00	3.00	1280.00	0
1997	GLAC-N-349.000	GLOBAL CLIMATE CHANGE STUDIES		350.00	3.00	1630.00	0
1994	GLAC-N-350.000	AIRSHED MANAGEMENT		34.70	1.00	68.40	100
[illegible]	GLAC-N-350.000	AIRSHED MANAGEMENT		16.70	0.60	50.10	100
[illegible]	LAC-N-350.000	AIRSHED MANAGEMENT		20.50	0.80	70.60	0
[illegible]	LAC-N-350.000	AIRSHED MANAGEMENT		20.50	0.80	91.10	0
1994	GLAC-N-353.000	FLUORIDE ANALYSIS		6.50	0.20	12.50	0

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YEAR	PROJECT NUMBER	PROJECT TITLE	SUB-TITLE	FUNDED	FTE	TO DATE	PERCENT
1995	GLAC-N-403.000	MONITOR WATER QUALITY		8.00	0.20	8.00	0
19[illegible]	[illegible]LAC-N-403.000	MONITOR WATER QUALITY		2.50	0.10	9.50	
19[illegible]	[illegible]LAC-N-403.000	MONITOR WATER QUALITY		2.50	0.10	12.00	
1994	GLAC-N-406.000	DIVIDE CREEK, WILD CREEK, ST. MARY		20.00	0.50	40.00	50
1994	GLAC-N-410.000	LIFE HISTORY OF CHARRS IN UPPER KINTLA LAKE		5.00	0.10	10.00	75
1994	GLAC-N-412.000	AMPHIBIAN STUDY		5.00	0.20	10.00	50
1997	GLAC-N-412.000	AMPHIBIAN INVESTIGATIONS		10.00	0.30	20.00	25
1996	GLAC-N-416.000	EAST-SIDE BULL TROUT STUDY		15.00	0.40	15.00	0
1997	GLAC-N-416.000	EAST-SIDE BULL TROUT STUDY		5.00	0.10	20.00	0
1994	GLAC-N-505.000	QUANTIFY FIRE BEHAVIOR AND FIRE EFFECTS		5.00	0.10	9.80	0
1994	GLAC-N-560.000	INVENTORY OFF-TRAIL USE AND IMPACTS AT LOGAN PA		15.00	0.40	15.00	0
1995	GLAC-N-560.000	INVENTORY OFF-TRAIL IMPACTS AT LOGAN PASS		15.00	0.40	30.00	0
Resource Type Sub-total----------				2599.20	45.30	7738.65	
Grand Total==========				5267.00	74.10	14925.15	

73 projects printed

Active Filter: (No filter)

Output Selections:
Resource types included: CULTURAL/INTEGRATED/NATURAL/SUBSISTENCE
Initial fiscal year: 1994
de projects even if no funding data entered

02/10/98
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PROGRAMMING SHEET 1
CULTURAL/INTEGRATED/NATURAL/SUBSISTENCE
FUNDED ACTIVITIES
($ in thousands)

FY: 1994
Park: GLAC
Cluster: RMSO

PROJECT NUMBER	PROJECT TITLE	PKG NUM	CULT RES TYPE	SYSTEM-WIDE ISSUE	FUNDING SOURCE	ACT TYP	T Y P	CURRENT YEAR 1994 $$	CURRENT YEAR 1994 FTE	OUTYEAR 1 1995 $$	OUTYEAR 1 1995 FTE	OUTYEAR 2 1996 $$	OUTYEAR 2 1996 FTE	OUTYEAR 3 1997 $$	OUTYEAR 3 1997 FTE	TOTAL $$	TOTAL FTE
701.000 C	UPGRADE COLLECTION ACCESS AND ACCOUNTABILITY	403	OBJC	C46 C47	SPECIAL-$	ADM	R	.00	.00	.00	.00	20.00	0.20	.00	.00	20.00	0.20
702.000 C	CATALOG MUSEUM COLLECTION BACKLOG	403	OBJC	C03 C16	SPECIAL-$	ADM	R	.00	.00	.00	.00	17.00	0.20	.00	.00	17.00	0.20
703.000 C	CONDUCT COLLECTION CONDITION SURVEY	404	OBJC	C43	No funded data												
704.000 C	PRESERVE PHOTOGRAPHIC MATERIALS	399	OBJC	C47 C03	No funded data												
705.000 C	UPGRADE COLLECTION STORAGE, EXHBIT AND WORK AREAS	404	OBJC	C47 C49	No funded data												
708.000 C	INTEGRATE CULTURAL RES MGMT IN INTERP		COMB	N20 C24	No funded data												
715.000 C	ADMINISTRATIVE HISTORY OF GLACIER NP	298	COMB	C08	REG-OTHER INT	O		20.00	0.50	30.00	0.50	20.00	0.50	.00	.00	70.00	1.50
721.000 C	EVALUATE INHOLDINGS FOR CULTURAL RESOURCES VALUES	400	COMB	C35 C57	No funded data												
722.000 C	WRITE HISTORIC STRUCTURE PRES GUIDES FOR BUILDINGS	274	STRC	C06 C12	No funded data												
723.000 C	CONDITION ASSESSMENT - BUILDINGS	342	STRC	C12 C19	No funded data												
724.000 C	PURCHASE CONCESSIONS FACILITIES	401	STRC	C12 C13	No funded data												
725.000	CULTURAL RESOURCE MANAGEMENT TRAINING	342	COMB	C25 C12	No funded data												

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PROJECT NUMBER	PROJECT TITLE	PKG NUM	CULT RES TYPE	SYSTEM-WIDE ISSUE	FUNDING SOURCE	ACT TYP	T Y P	CURRENT YEAR 1994 $$	CURRENT YEAR 1994 FTE	OUTYEAR 1 1995 $$	OUTYEAR 1 1995 FTE	OUTYEAR 2 1996 $$	OUTYEAR 2 1996 FTE	OUTYEAR 3 1997 $$	OUTYEAR 3 1997 FTE	TOTAL $$	TOTAL FTE
726.000 C	CYCLIC MAINTENANCE-BLDGS	342	STRC	C56 C12	REG-OTHER	MIT	C	.00	.00	.00	.00	50.00	1.30	.00	.00	50.00	1.30
727.000 C	MAINTENANCE BACKLOG - BUILDINGS	342	STRC	C12 C24	No funded data												
741.000 C	LCS, DOE, EVAL-ROADS, TRAILS, & CAMPGROUNDS	400	STRC	C35 C57	No funded data												
742.000 C	CONDITION ASSESSMENT - ROADS		STRC	C19 C24	No funded data												
743.000 C	WRITE HISTORIC STRUCTURE PRES GUIDES FOR ROADS	274	STRC	N08 C12	No funded data												
744.000 C	WRITE HISTORIC STRUCTURE PRES GUIDE FOR TRAILS	274	STRC	C06 C12	No funded data												
745.000 C	CULTURAL RESOURCE MANAGEMENT TRAINING-RDS & TRLS	388	STRC	C99 C93	No funded data												
746.000 C	CONDITION ASSESSMENT - TRAILS	388	STRC	C19 C24	No funded data												
747.000 C	CYCLIC MAINTENANCE - ROADS	388	STRC	C55 C56	REG-OTHER	MIT	C	580.00	5.00	640.50	6.00	650.00	6.00	.00	.00	1870.50	17.00
748.000 C	CYCLIC MAINTENANCE-TRAILS		STRC	C55 C56	RG-REG-MT	MIT	C	130.00	4.00	140.00	2.00	140.00	2.50	.00	.00	410.00	8.50
749.000 C	MAINTENANCE BACKLOG-ROADS	388	STRC	C55 C56	No funded data												
750.000 C	MAINTENANCE BACKLOG-TRAILS		STRC	C55 C56	No funded data												
757.000 C	SITE LOCATION USING HIST. AND ETHNO. DATA ANALYS	345	COMB	C02 C04	No funded data												
758.000 C	INVESTIGATE-DO E-NOMINATE KNOWN ARCHEOLOGICAL SITES	197	SITE	C02 C04	SPECIAL-$	RES	O	.00	.00	.00	.00	40.00	.00	.00	.00	40.00	0.00
7[illegible]000 C	UNDERWATER ARCHEOLOGY		SITE	C02 C03	PKBASE-NR	RES	O	.00	.00	.00	.00	.00	.00	5.00	0.10	5.00	

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PROJECT NBR	PROJECT TITLE	PKG NUM	CULT RES TYPE	SYSTEM-WIDE ISSUE	FUNDING SOURCE	ACT TYP	T Y P	CURRENT YEAR 1994 $$	CURRENT YEAR 1994 FTE	OUTYEAR 1 1995 $$	OUTYEAR 1 1995 FTE	OUTYEAR 2 1996 $$	OUTYEAR 2 1996 FTE	OUTYEAR 3 -1997 $$	OUTYEAR 3 -1997 FTE	TOTAL $$	TOTAL FTE
772.000 C	CULTURAL AFFILIATION STUDY - NAGPRA CONSULTATION	403	OBJC	C25 C30	No funded data												
773.000 C	ETHNOGRAPHIC RESOURCES INVENTORY	300	COMB	C31	No funded data												
774.000 C	ETHNOGRAPHIC LANDSCAPE STUDY	300	COMB	C24 C25	No funded data												
780.000 C	UPGRADE LIBRARY STORAGE		OBJC	C47	No funded data												
781.000 C	COLLECT ORAL HISTORIES	335	COMB	C35 C37	No funded data												
786.000 C	CULTURAL LANDSCAPE IDENT, DOE, AND NR NOMINATION	302	CULL	C10 C19	No funded data												
001.000 I	HISTORICAL SURVEY OF GLACIERS AND GLACIAL LANDFORMS			N20	No funded data												
002.000 I	UPGRADE GIS SLIDE MAKING CAPABILITIES			N24	No funded data												
101.000 N	WRITE A VEGETATION MANAGEMENT PLAN			N06	No funded data												
111.000 N	MAP AND CLASSIFY VEGETATION			N20 N17	NR-I&M	MON	O	.00	.00	.00	.00	.00	.00	18.00	.00	18.00	0.00
112.000 N	MAP OLD GROWTH AND SENSITIVE AREAS			N17 N20	No funded data												
113.000 N	INVENTORY AND MONITOR VEGETATION			N17 N20	No funded data												
114.000 N	INVESTIGATE GENETIC VARIETY IN REVEG SPECIES			N17 N20	No funded data												
115.000 N	INVENTORY AND MONITOR RARE PLANTS			N03 N20	PKBASE-NR	MON	O	2.40	.00	2.40	.00	2.40	.00	.00	.00	7.20	0.00
0	WRITE AND COMPILE PARK FLORA			N20 N17	VOL-INDEP	RES	O	.00	.00	.00	.00	.00	.00	1.10	0.05	1.10	0.05

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PROJECT NUMBER	PROJECT TITLE	PKG NUM	CULT RES TYPE	SYSTEM-WIDE ISSUE	FUNDING SOURCE	ACT TYP	T Y P	CURRENT YEAR 1994 $$	CURRENT YEAR 1994 FTE	OUTYEAR 1 1995 $$	OUTYEAR 1 1995 FTE	OUTYEAR 2 1996 $$	OUTYEAR 2 1996 FTE	OUTYEAR 3 -1997 $$	OUTYEAR 3 -1997 FTE	TOTAL $$	TOTAL FTE
117.000 N	COMPILE DATABASE FOR VEGETATION SPECIES			N17 N20	No funded data												
121.000 N	CONTROL AND MONITOR EXOTIC PLANT SPECIES			N05 N20	No funded data												
122.000 N	STOP NOXIOUS WEEDS IN GRASSLANDS			C70 N05	PKBASE-NR	RES	R	.00	.00	.00	.00	.00	.00	15.00	0.50	15.00	0.50
131.000 N	REVEGETATE DISTURBED AREAS			N06 N17	SVC-OTHER	MIT	R	120.00	3.00	158.55	3.00	113.40	2.40	.00	.00	391.95	8.40
					PKBASE-NR	MIT	R	50.00	2.30	52.50	2.30	52.50	2.30	.00	.00	155.00	6.90
					Subtotal			170.00	5.30	211.05	5.30	165.90	4.70	.00	.00	546.95	15.30
132.000 N	REVEGETATE ERODING AREAS			N17 C70	PKBASE-NR	MIT	O	.00	.00	.00	.00	.00	.00	25.00	0.70	25.00	0.70
133.000 N	REPAIR RESOURCE PROTECTION FENCING			C73 C70	No funded data												
141.000 N	CONDUCT HAZARD TREE SURVEYS & CONTROL			N22 N24	TEMP$-NR	PRO	R	.00	.00	.00	.00	.00	.00	5.00	1.00	5.00	1.00
151.000 N	INVENTORY AND MAP CULTURAL LANDSCAPES		CULL	C11 C01	No funded data												
152.000 N	CONDUCT TRAINING IN CULTURAL LANDSCAPE MAGT			C25 C01	No funded data												
153.000 N	WRITE CULTURAL LANDSCAPE VEGT MAGT GUIDELINES			C01 C11	No funded data												
160.000 N	RESTORING WHITEBARK AND LIMBER PINE COMMUNITIES			N17 N05	PKBASE-NR	RES	O	.00	.00	.00	.00	1.00	0.05	.00	.00	1.00	0.05
201.000 N	WILDLIFE OBSERVATION DATA BASE COMPUTERIZATIO N			N20 N17	PKBASE-NR	ADM	R	2.00	0.20	.00	.00	.00	.00	.00	.00	2.00	0.20
202.000 N	WILDLIFE DISEASE INVENTORY			N20 N17	No funded data												
203.000 N	TERRESTRIAL ANIMAL INVENTORY & MONITORING			N20	No funded data												

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PROJECT	PROJECT TITLE	PKG NUM	CULT RES TYPE	SYSTEM-WIDE ISSUE	FUNDING SOURCE	ACT TYP	T Y P	CURRENT YEAR 1994 $$	CURRENT YEAR 1994 FTE	OUTYEAR 1 1995 $$	OUTYEAR 1 1995 FTE	OUTYEAR 2 1996 $$	OUTYEAR 2 1996 FTE	OUTYEAR 3 -1997 $$	OUTYEAR 3 -1997 FTE	TOTAL $$	TOTAL FTE
204.000 N	WILDLIFE ASSESSMENT OF DEVELOPED AND BOUNDARY AREAS			N20 N22	No funded data												
205.000 N	MTN SHEEP RANGE AND DISEASE STATUS			N24	No funded data												
238.000 N	HUCKLEBERRY PRODUCTION			N20	No funded data												
239.000 N	WOLF POPULATION MONITORING			N20 N02	No funded data												
240.000 N	GRIZZLY BEAR FEEDING ECOLOGY			N02	TEMP$-NR	RES	R	33.00	0.50	.00	.00	.00	.00	.00	.00	33.00	0.50
241.000 N	GRIZZLY BEAR POPULATION TREND MONITORING			N02	No funded data												
244.000 N	BARRIERS TO GRIZZLY BEAR MOVEMENTS			N02	No funded data												
0 N	GRIZZLY BEAR DISPERSAL FROM GLACIER N.P.			N02	No funded data												
246.000 N	GRIZZLY BEAR BEHAVIORAL TRENDS			N02	No funded data												
247.000 N	SOCIAL AND NUTRITIONAL ROLE OF APGAR MTN FOR BEARS			N02	No funded data												
248.000 N	ASSESSMENT OF BLACK BEAR MGMT TECHNIQUES			N24	No funded data												
249.000 N	BEAR INFORMATION MANAGEMENT SYSTEM DATA ENTRY			N02 N20	TEMP$-NR	MON	C	15.00	0.50	.00	.00	.00	.00	.00	.00	15.00	0.50
					TEMP$-NR	MON	R	.00	.00	15.00	0.50	15.00	0.50	17.00	0.50	47.00	1.50
					Subtotal			15.00	0.50	15.00	0.50	15.00	0.50	17.00	0.50	62.00	2.00
250.000 N	REGIONAL HABITAT NEEDS OF PARK UNGULATE SPECIES			N20 N18	No funded data												
251.000	FIRE IMPACTS ON UNGULATE WINTER RANGE			N20 N07	No funded data												

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PROJECT NUMBER	PROJECT TITLE	PKG NUM	CULT RES TYPE	SYSTEM-WIDE ISSUE	FUNDING SOURCE	ACT TYP	T Y P	CURRENT YEAR 1994 $$	CURRENT YEAR 1994 FTE	OUTYEAR 1 1995 $$	OUTYEAR 1 1995 FTE	OUTYEAR 2 1996 $$	OUTYEAR 2 1996 FTE	OUTYEAR 3 - 1997 $$	OUTYEAR 3 - 1997 FTE	TOTAL $$	TOTAL FTE
261.000 N	ASSESMENT OF MANAGEMENT TECHNIQUES FOR DEER			N20 N22	No funded data												
270.000 N	MOUNTAIN LION ECOLOGY AND BEHAVIOR			N20 N18	No funded data												
271.000 N	SMALL MAMMALIAN CARNIVORE STATUS			N20	No funded data												
280.000 N	BALD EAGLE MONITORING			N02 N17	PKBASE-NR	MON	R	15.00	0.50	10.00	0.20	10.00	0.20	10.00	0.20	45.00	1.10
282.000 N	GTSR WILDLIFE MONITORING			N02 N17	CONSTRUCT	MON	R	65.00	5.00	12.00	0.20	12.00	0.20	12.00	0.20	101.00	5.60
284.000 N	MIGRANT GOLDEN EAGLE MONITORING			N20 N17	No funded data												
285.000 N	RAPTOR NESTING SURVEYS			N20 N17	No funded data												
286.000 N	NEOTROPICAL MIGRATORY BIRD MONITORING			N17 N20	No funded data												
288.000 N	EFFECTS OF FIRE ON CAVITY-NESTING BIRDS			N20 N07	No funded data												
289.000 N	AVIAN USE OF EASTSIDE ASPEN COMMUNITIES			N20	No funded data												
290.000 N	COMMON LOON PRODUCTIVITY MONITORING			N20 N17	No funded data												
291.000 N	HARLEQUIN DUCK ECOLOGY			N20 N17	CONSTRUCT	MON	R	2.00	0.10	.00	.00	.00	.00	.00	.00	2.00	0.10
292.000 N	AVIAN USE OF WHITEBARK PINE			N20	No funded data												
294.000 N	AVIAN COMMUNITY RESPONSE TO FIRE IN CONIFER FOREST			N20	No funded data												
310.000 N	SURVEY AND MAP SOILS			N20 N17	PKBASE-CR	MON	O	.00	.00	.00	.00	10.00	.00	10.00	.00	20.00	0.00
					RG-RM-NAT	MON	O	.00	.00	.00	.00	10.00	.00	10.00	.00	20.00	0.00
					Subtotal			.00	.00	.00	.00	20.00	.00	20.00	.00	40.00	

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PCT R	PROJECT TITLE	PKG NUM	CULT RES TYPE	SYSTEM-WIDE ISSUE	FUNDING SOURCE	ACT TYP	T Y P	CURRENT YEAR 1994 $$	CURRENT YEAR 1994 FTE	OUTYEAR 1 1995 $$	OUTYEAR 1 1995 FTE	OUTYEAR 2 1996 $$	OUTYEAR 2 1996 FTE	OUTYEAR 3 1997 $$	OUTYEAR 3 1997 FTE	TOTAL $$	TOTAL FTE
311.000 N	INFERENCE OF SOILS USING GIS AND EXPERT SYSTEM TECH			N20 N24	No funded data												
315.000 N	GIS DATASETS FOR GEOLOGY			N20 N10	No funded data												
349.000 N	GLOBAL CLIMATE CHANGE STUDIES			N20 N24	CLI-CHGE	RES	R	300.00	1.00	350.00	1.50	350.00	3.00	350.00	3.00	1350.00	8.50
350.000 N	AIRSHED MANAGEMENT			N14 N20	AIR-QUAL	MON	R	8.70	0.30	8.70	0.30	11.50	0.50	11.50	0.50	40.40	1.60
					PKBASE-NR	MON	R	8.00	0.30	8.00	0.30	9.00	0.30	9.00	0.30	34.00	1.20
					Subtotal			16.70	0.60	16.70	0.60	20.50	0.80	20.50	0.80	74.40	2.80
354.000 N	NOISE BASELINE STUDY			N20 N15	No funded data												
355.000 N	NOISE SOCIOLOGICAL IMPACT			C23 N15	No funded data												
403.000 N	MONITOR WATER QUALITY			N20 N11	PKBASE-NR	MON	R	.00	.00	8.00	0.20	2.50	0.10	2.50	0.10	13.00	0.40
00	REMOVAL OF FISH FROM HISTORICALLY FISH FREE LAKES			N04 N20	No funded data												
406.000 N	DIVIDE CREEK, WILD CREEK, ST. MARY		COMB	N11 N12	RG-NS-RES	MON	O	20.00	0.50	.00	.00	.00	.00	.00	.00	20.00	0.50
410.000 N	LIFE HISTORY OF CHARRS IN UPPER KINTLA LAKE			N20 N24	TEMP$-NR	RES	O	5.00	0.10	.00	.00	.00	.00	.00	.00	5.00	0.10
412.000 N	AMPHIBIAN INVESTIGATIONS			N20	TEMP$-NR	RES	O	5.00	0.20	.00	.00	.00	.00	.00	.00	5.00	0.20
					TEMP$-NR	MON	C	.00	.00	.00	.00	.00	.00	10.00	0.30	10.00	0.30
					Subtotal			5.00	0.20	.00	.00	.00	.00	10.00	0.30	15.00	0.50
413.000 N	LAKE MCDONALD FISHERY MANAGEMENT			N04 N20	No funded data												
415.000 N	WRITE A FISHERY MANAGEMENT PLAN			N20	No funded data												
416.000 N	EAST-SIDE BULL TROUT STUDY			N02 N20	PKBASE-NR	MON	C	.00	.00	.00	.00	15.00	0.40	.00	.00	15.00	0.40
					REG-OTHER	MON	C	.00	.00	.00	.00	.00	.00	5.00	0.10	5.00	0.10
					Subtotal			.00	.00	.00	.00	15.00	0.40	5.00	0.10	20.00	0.50

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PROJECT NUMBER	PROJECT TITLE	PKG NUM	CULT RES TYPE	SYSTEM-WIDE ISSUE	FUNDING SOURCE	ACT TYP	T Y P	CURRENT YEAR 1994 $$	CURRENT YEAR 1994 FTE	OUTYEAR 1 1995 $$	OUTYEAR 1 1995 FTE	OUTYEAR 2 1996 $$	OUTYEAR 2 1996 FTE	OUTYEAR 3 - 1997 $$	OUTYEAR 3 - 1997 FTE	TOTAL $$	TOTAL FTE
500.000 N	RESOURCES INVENTORY & MONITORING PROGRAM DEVELOPMET			N20 N24	No funded data												
501.000 N	IDENTIFY VALUES AT RISK FROM WILDLAND FIRE		STRC	C12 C22	No funded data												
502.000 N	MODIFY HAZARD FUELS TO PROTECT VALUES AT RISK		STRC	N08 C12	No funded data												
503.000 N	IDENTIFY AREAS TO TREAT WITH MGMT. IGN. FIRE			N07 N17	No funded data												
505.000 N	QUANTIFY FIRE BEHAVIOR AND FIRE EFFECTS			N07 N17	REG-OTHER RES	O		5.00	0.10	.00	.00	.00	.00	.00	.00	5.00	0.10
507.000 N	MERGE FIRE BEHAV. AND GIS COMPUTER MOD. CAPABILITY			N07 N20	No funded data												
521.000 N	INVENTORY & PLAN GRAVEL PITS AND QUARRIES FOR REHAB			N06	No funded data												
522.000 N	QUANTIFY IMPACT OF NEW SIGNIFICANT VOLCANIC ASHFALL			N20	No funded data												
531.000 N	ANALYZE IMPACTS OF RUBIDEAU CR. DIVERSION			N12	No funded data												
532.000 N	ANALYZE IMPACT OF SNOW PLOWING ON SOIL & VEGETATION			N06	No funded data												
533.000 N	INVENTORY AVALANCE CHUTES & ANALYZE VEG SUCCESSION			N20	No funded data												
551.000 N	DETERMINE IMPACT OF HUMAN WASTE ON AQUATIC SYSTEM			N11	No funded data												

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CT R	PROJECT TITLE	PKG NUM	CULT RES TYPE	SYSTEM-WIDE ISSUE	FUNDING SOURCE	ACT TYP	T Y P	CURRENT YEAR 1994 $$	CURRENT YEAR 1994 FTE	OUTYEAR 1 1995 $$	OUTYEAR 1 1995 FTE	OUTYEAR 2 1996 $$	OUTYEAR 2 1996 FTE	OUTYEAR 3 -1997 $$	OUTYEAR 3 -1997 FTE	TOTAL $$	TOTAL FTE
552.000 N	ANALYZE HYBRIDIZATION OF NATIVE & ORNAMENTAL PLANTS			N05	No funded data												
553.000 N	DETERMINE FEASIBILITY OF RESTORING BISON			N17	No funded data												
554.000 N	DEVISE METHODOLGY - NUTRIENTS, BIOMASS, ENERGY			N20	No funded data												
555.000 N	ANALYZE EFFECTS OF STARLINGS ON NATIVE BIRDS			N04	No funded data												
556.000 N	ANALYZE HUMAN USE OF BERRIES, MUSHROOMS AND FISH			N18	No funded data												
560.000 N	INVENTORY OFF-TRAIL IMPACTS AT LOGAN PASS			N06	FED-OTHER	MON	O	15.00	0.40	15.00	0.40	.00	.00	.00	.00	30.00	0.80
561.000 N	BACKCOUNTRY USE BASELINE			N18	No funded data												
562.000 N	REHABILITATE AND RESTORE GRANITE PARK CABIN AREA		CULL	N08 C13	No funded data												
650.000 N	COMMERCIAL SERVICES STUDY			C10	No funded data												
651.000 N	RELIGIOUS USAGE SURVEY		ETHN	C04 N24	No funded data												
652.000 N	CONCESSIONS MANAGEMENT PLAN			N22 C17	No funded data												
660.000 N	N. FORK STRATEGIC PLAN INPLEMENTATION			N06 N16	No funded data												
661.000 N	INTEGRATION OF N. FOREST AND N. PARK PLANS			N06 N16	No funded data												
663.000 N	ANALYSIS OF BASIN WIDE BIODIVERSITY INTEGRITY			N16 N17	No funded data												

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PROGRAMMING SHEET 1
CULTURAL/INTEGRATED/NATURAL/SUBSISTENCE
FUNDED ACTIVITIES
($ in thousands)

PROJECT NUMBER	PROJECT TITLE	PKG NUM	CULT RES TYPE	SYSTEM-WIDE ISSUE	FUNDING SOURCE	ACT TYP	T Y P	CURRENT YEAR 1994 $$	CURRENT YEAR 1994 FTE	OUTYEAR 1 1995 $$	OUTYEAR 1 1995 FTE	OUTYEAR 2 1996 $$	OUTYEAR 2 1996 FTE	OUTYEAR 3 -1997 $$	OUTYEAR 3 -1997 FTE	TOTAL $$	TOTAL FTE
664.000 N	GIS DATA BASE DEV. FOR LANDS ADJACENT TO GLACIER			N16 N20	No funded data												
665.000 N	CROWN OF THE CONTINENT VIS. CENTER FEAS. STUDY			C10 N16	No funded data												
675.000 N	REMOVE\PREVENT LIVESTOCK TRESPASS			N04	No funded data												
821.000 N	INTEGRATE NATURAL RES. MGMT. & SCIENCE INTO INTERP		COMB	N20 C24	No funded data												
129 projects printed																	
					Grand Total $$			1401.10		1450.65		1551.30		516.10		4919.15	
					Grand Total FTE				24.50		17.40		20.65		7.55		70.10

Active Filter: (No filter)

Output Selections:
Resource types included: CULTURAL/INTEGRATED/NATURAL/SUBSISTENCE
Initial fiscal year: 1994
by PRIORITY within each park and type
de projects even if no funding data entered

PROGRAMMING SHEET 2
CULTURAL/INTEGRATED/NATURAL/SUBSISTENCE
UNFUNDED ACTIVITIES
($ in thousands)

PK PRI	PROJECT NUMBER	PROJECT TITLE	PKG NUM	CULT RES TYPE	SYSTEM-WIDE ISSUE	ACT TYP	T Y P	CURRENT YEAR 1994 $$	CURRENT YEAR 1994 FTE	OUTYEAR 1 1995 $$	OUTYEAR 1 1995 FTE	OUTYEAR 2 1996 $$	OUTYEAR 2 1996 FTE	OUTYEAR 3 1997 $$	OUTYEAR 3 1997 FTE	TOTAL $$	TOTAL FTE
1 C	758.000	INVESTIGATE-DOE-NOMINATE KNOWN ARCHEOLOGICAL SITES	197	SITE	C02 C04	RES	R	40.00	.00	40.00	.00	.00	.00	.00	.00	80.00	0.00
2 C	715.000	ADMINISTRATIVE HISTORY OF GLACIER NP	298	COMB	C08	INT	O	.00	.00	.00	.00	.00	.00	20.00	0.50	20.00	0.50
3 C	701.000	UPGRADE COLLECTION ACCESS AND ACCOUNTABILITY	403	OBJC	C46 C47	ADM	R	.00	.00	12.60	0.20	14.00	0.20	.00	.00	26.60	0.40
4 C	705.000	UPGRADE COLLECTION STORAGE, EXHBIT AND WORK AREAS	404	OBJC	C47 C49	ADM	O	10.00	0.40	.00	.00	.00	.00	.00	.00	10.00	0.40
5 C	721.000	EVALUATE INHOLDINGS FOR CULTURAL RESOURCES VALUES	400	COMB	C35 C57	RES	O	.00	.00	.00	.00	.00	.00	32.00	0.60	32.00	0.60
[illegible]	741.000	LCS, DOE, EVAL-ROADS, TRAILS, & CAMPGROUNDS	400	STRC	C35 C57	RES	C	24.00	0.60	24.00	0.60	24.00	0.60	24.00	0.60	96.00	2.40
7 C	726.000	CYCLIC MAINTENANCE-BLDGS	342	STRC	C56 C12	MIT	C	930.00	14.00	1081.50	15.00	1134.00	15.00	1192.50	16.00	4338.00	60.00
8 C	786.000	CULTURAL LANDSCAPE IDENT, DOE, AND NR NOMINATION	302	CULL	C10 C19	RES	O	48.00	1.00	48.00	1.00	.00	.00	.00	.00	96.00	2.00
9 C	704.000	PRESERVE PHOTOGRAPHIC MATERIALS	399	OBJC	C47 C03	ADM	C	16.00	0.60	16.00	0.60	20.00	0.80	20.00	0.80	72.00	2.80
9 C	759.000	UNDERWATER ARCHEOLOGY		SITE	C02 C03	No unfunded data											
10 C	702.000	CATALOG MUSEUM COLLECTION BACKLOG	403	OBJC	C03 C16	ADM	R	24.00	1.00	.00	.00	.00	.00	.00	.00	24.00	1.00
11 C	757.000	SITE LOCATION USING HIST. AND ETHNO. DATA ANALYS	345	COMB	C02 C04	RES	R	18.00	0.40	18.00	0.40	18.00	0.40	18.00	0.40	72.00	1.60
12 C	774.000	ETHNOGRAPHIC LANDSCAPE STUDY	300	COMB	C24 C25	ADM	O	.00	.00	.00	.00	.00	.00	25.00	0.50	25.00	0.50
13 C	772.000	CULTURAL AFFILIATION STUDY - NAGPRA CONSULTATION	403	OBJC	C25 C30	RES	O	-14.00	.00	.00	.00	.00	.00	.00	.00	14.00	0.00
14 C	722.000	WRITE HISTORIC STRUCTURE PRES GUIDES FOR BUILDINGS	274	STRC	C06 C12	RES	R	52.50	1.00	57.75	1.00	63.00	1.00	68.00	1.00	241.25	4.00
15 C	703.000	CONDUCT COLLECTION CONDITION SURVEY	404	OBJC	C43	ADM	O	11.00	0.40	.00	.00	.00	.00	.00	.00	11.00	0.40

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PR PROJECT NUMBER	PROJECT TITLE	PKG NUM	CULT RES TYPE	SYSTEM-WIDE ISSUE	ACT TYP	T Y P	CURRENT YEAR 1994 $$	CURRENT YEAR 1994 FTE	OUTYEAR 1 1995 $$	OUTYEAR 1 1995 FTE	OUTYEAR 2 1996 $$	OUTYEAR 2 1996 FTE	OUTYEAR 3 -1997 $$	OUTYEAR 3 -1997 FTE	TOTAL $$	TOTAL FTE
15 773.000 C	ETHNOGRAPHIC RESOURCES INVENTORY	300	COMB	C31	ADM	O	.00	.00	.00	.00	.00	.00	25.00	0.20	25.00	0.20
15 723.000 C	CONDITION ASSESSMENT - BUILDINGS	342	STRC	C12 C19	RES	C	126.00	3.00	.00	.00	.00	.00	45.00	1.00	171.00	4.00
15 724.000 C	PURCHASE CONCESSIONS FACILITIES	401	STRC	C12 C13	No unfunded data											
15 725.000 C	CULTURAL RESOURCE MANAGEMENT TRAINING	342	COMB	C25 C12	ADM	C	10.50	.00	10.50	.00	10.50	.00	14.00	.00	45.50	0.00
15 727.000 C	MAINTENANCE BACKLOG - BUILDINGS	342	STRC	C12 C24	MIT	C	588.00	8.00	619.50	8.00	651.00	9.00	688.00	9.00	2546.50	34.00
15 742.000 C	CONDITION ASSESSMENT - ROADS		STRC	C19 C24	RES	R	42.00	0.50	.00	.00	.00	.00	48.00	0.50	90.00	1.00
15 743.000 C	WRITE HISTORIC STRUCTURE PRES GUIDES FOR ROADS	274	STRC	N08 C12	RES	O	55.00	1.00	55.00	1.00	55.00	1.00	55.00	1.00	220.00	4.00
15 744.000 C	WRITE HISTORIC STRUCTURE PRES GUIDE FOR TRAILS	274	STRC	C06 C12	RES	O	55.00	1.00	55.00	1.00	55.00	1.00	55.00	1.00	220.00	4.00
15 745.000 C	CULTURAL RESOURCE MANAGEMENT TRAINING-RDS & TRLS	388	STRC	C99 C93	ADM	R	12.00	.00	12.00	.00	12.00	.00	12.00	.00	48.00	0.00
15 746.000 C	CONDITION ASSESSMENT - TRAILS	388	STRC	C19 C24	RES	C	44.00	1.00	44.00	1.00	44.00	1.00	44.00	1.00	176.00	4.00
15 747.000 C	CYCLIC MAINTENANCE - ROADS	388	STRC	C55 C56	MIT	C	.00	.00	.00	.00	.00	.00	682.00	6.00	682.00	6.00
15 748.000 C	CYCLIC MAINTENANCE-TRAILS		STRC	C55 C56	MIT	C	.00	.00	.00	.00	.00	.00	900.00	40.00	900.00	40.00
15 749.000 C	MAINTENANCE BACKLOG-ROADS	388	STRC	C55 C56	MIT	R	619.50	12.00	651.00	12.00	682.50	13.00	720.00	13.00	2673.00	50.00
15 750.000 C	MAINTENANCE BACKLOG-TRAILS		STRC	C55 C56	ADM	C	225.00	10.00	.00	.00	.00	.00	225.00	10.00	450.00	20.00
15 708.000 C	INTEGRATE CULTURAL RES MGMT IN INTERP		COMB	N20 C24	INT	R	40.00	1.20	45.00	1.30	40.00	1.20	45.00	1.30	170.00	5.00
15 780.000 C	UPGRADE LIBRARY STORAGE		OBJC	C47	RES	O	.00	.00	.00	.00	.00	.00	20.00	0.20	20.00	0.20
15 781.000 C	COLLECT ORAL HISTORIES	335	COMB	C35 C37	RES	O	.00	.00	.00	.00	.00	.00	32.00	0.60	32.00	0.60
1 001.000 I	HISTORICAL SURVEY OF GLACIERS AND GLACIAL LANDFORMS			N20	RES	O	.00	.00	35.00	0.40	35.00	0.40	48.00	1.00	118.00	1.80
2 002.000 I	UPGRADE GIS SLIDE MAKING CAPABILITIES			N24	INT	O	.00	.00	10.00	.00	.00	.00	.00	.00	10.00	0.00
1 249.000	BEAR INFORMATION MANAGEMENT SYSTEM DATA ENTRY			N02 N20	PRO	R	18.50	0.50	18.50	0.50	18.50	0.50	18.50	0.50	74.00	

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PROGRAMMING SHEET 2
CULTURAL/INTEGRATED/NATURAL/SUBSISTENCE
UNFUNDED ACTIVITIES
($ in thousands)

	PROJECT NUMBER	PROJECT TITLE	PKG NUM	CULT RES TYPE	SYSTEM-WIDE ISSUE	ACT TYP	T Y P	CURRENT YEAR 1994 $$	CURRENT YEAR 1994 FTE	OUTYEAR 1 1995 $$	OUTYEAR 1 1995 FTE	OUTYEAR 2 1996 $$	OUTYEAR 2 1996 FTE	OUTYEAR 3 -1997 $$	OUTYEAR 3 -1997 FTE	TOTAL $$	TOTAL FTE
2	403.000 N	MONITOR WATER QUALITY			N20 N11	MON	R	50.00	0.50	15.00	0.25	15.00	0.25	15.00	0.25	95.00	1.25
2	560.000 N	INVENTORY OFF-TRAIL IMPACTS AT LOGAN PASS			N06	MON	O	60.00	1.30	.00	.00	.00	.00	.00	.00	60.00	1.30
3	350.000 N	AIRSHED MANAGEMENT			N14 N20	RES	R	20.00	0.50	20.00	0.50	20.00	0.50	20.00	0.50	80.00	2.00
3	122.000 N	STOP NOXIOUS WEEDS IN GRASSLANDS			C70 N05	RES	R	.00	.00	.00	.00	.00	.00	15.00	0.50	15.00	0.50
4	205.000 N	MTN SHEEP RANGE AND DISEASE STATUS			N24	RES	O	.00	.00	.00	.00	.00	.00	75.00	2.50	75.00	2.50
5	239.000 N	WOLF POPULATION MONITORING			N20 N02	RES	R	45.00	1.00	45.00	1.00	.00	.00	.00	.00	90.00	2.00
5	132.000 N	REVEGETATE ERODING AREAS			N17 C70	MIT	O	.00	.00	.00	.00	.00	.00	60.00	2.10	60.00	2.10
8	101.000 N	WRITE A VEGETATION MANAGEMENT PLAN			N06	MIT	O	10.00	0.30	10.00	0.30	.00	.00	.00	.00	20.00	0.60
9	121.000 N	CONTROL AND MONITOR EXOTIC PLANT SPECIES			N05 N20	MIT	C	84.50	2.80	84.50	2.80	84.50	2.80	88.00	2.80	341.50	11.20
	241.000	GRIZZLY BEAR POPULATION TREND MONITORING			N02	RES	R	45.00	1.80	45.00	1.80	45.00	1.80	45.00	1.80	180.00	7.20
11	310.000 N	SURVEY AND MAP SOILS			N20 N17	MON	O	24.00	0.50	.00	.00	.00	.00	.00	.00	24.00	0.50
14	415.000 N	WRITE A FISHERY MANAGEMENT PLAN			N20	RES	O	10.00	0.20	12.00	0.20	22.00	0.33	.00	.00	44.00	0.73
						RES	C	.00	.00	.00	.00	.00	.00	10.00	0.15	10.00	0.15
				Subtotal				10.00	0.20	12.00	0.20	22.00	0.33	10.00	0.15	54.00	0.88
15	561.000 N	BACKCOUNTRY USE BASELINE			N18	MON	O	54.00	1.00	.00	.00	.00	.00	.00	.00	54.00	1.00
16	131.000 N	REVEGETATE DISTURBED AREAS			N06 N17	MIT	R	.00	.00	85.00	3.50	85.00	3.50	85.00	3.50	255.00	10.50
17	675.000 N	REMOVE\PREVENT LIVESTOCK TRESPASS			N04	PRO	R	37.00	2.00	40.00	2.00	44.00	1.50	48.00	1.50	169.00	7.00
18	246.000 N	GRIZZLY BEAR BEHAVIORAL TRENDS			N02	RES	R	131.00	3.00	131.00	3.00	131.00	3.00	138.00	3.00	531.00	12.00
19	821.000 N	INTEGRATE NATURAL RES. MGMT. & SCIENCE INTO INTERP		COMB	N20 C24	INT	R	60.00	1.50	60.00	1.50	60.00	1.50	60.00	1.50	240.00	6.00
20	270.000 N	MOUNTAIN LION ECOLOGY AND BEHAVIOR			N20 N18	RES	O	80.00	2.00	80.00	2.00	80.00	2.00	.00	.00	240.00	6.00
22	271.000 N	SMALL MAMMALIAN CARNIVORE STATUS			N20	MON	R	.00	.00	.00	.00	.00	.00	65.00	1.30	65.00	1.30
	60.000	N. FORK STRATEGIC PLAN INPLEMENTATION			N06 N16	PRO	R	77.00	1.50	77.00	1.50	77.00	1.50	77.00	1.50	308.00	6.00

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PP P	PROJECT NUMBER	PROJECT TITLE	PKG NUM	CULT RES TYPE	SYSTEM-WIDE ISSUE	ACT TYP	T Y P	CURRENT YEAR 1994 $$	CURRENT YEAR 1994 FTE	OUTYEAR 1 1995 $$	OUTYEAR 1 1995 FTE	OUTYEAR 2 1996 $$	OUTYEAR 2 1996 FTE	OUTYEAR 3 -1997 $$	OUTYEAR 3 -1997 FTE	TOTAL $$	TOTAL FTE
24	245.000 N	GRIZZLY BEAR DISPERSAL FROM GLACIER N.P.			N02	RES	R	158.00	3.00	158.00	3.00	158.00	3.00	165.00	3.00	639.00	12.00
25	250.000 N	REGIONAL HABITAT NEEDS OF PARK UNGULATE SPECIES			N20 N18	RES	O	66.00	1.50	50.00	1.00	50.00	1.00	.00	.00	166.00	3.50
26	111.000 N	MAP AND CLASSIFY VEGETATION			N20 N17	MON	O	18.00	0.60	18.00	0.60	.00	.00	.00	.00	36.00	1.20
27	280.000 N	BALD EAGLE MONITORING			N02 N17	MON	R	20.00	0.40	20.00	0.40	20.00	0.40	20.00	0.40	80.00	1.60
28	115.000 N	INVENTORY AND MONITOR RARE PLANTS			N03 N20	MON	C	10.00	0.30	10.00	0.30	10.00	0.30	10.00	0.30	40.00	1.20
29	349.000 N	GLOBAL CLIMATE CHANGE STUDIES			N20 N24	RES	R	.00	.00	.00	.00	350.00	1.60	350.00	1.60	700.00	3.20
30	500.000 N	RESOURCES INVENTORY & MONITORING PROGRAM DEVELOPMET			N20 N24	MON	O	50.00	0.70	.00	.00	.00	.00	.00	.00	50.00	0.70
31	553.000 N	DETERMINE FEASIBILITY OF RESTORING BISON			N17	RES	O	82.00	1.30	.00	.00	.00	.00	.00	.00	82.00	1.30
32	503.000 N	IDENTIFY AREAS TO TREAT WITH MGMT. IGN. FIRE			N07 N17	RES	R	40.00	1.00	.00	.00	.00	.00	.00	.00	40.00	1.00
33	507.000 N	MERGE FIRE BEHAV. AND GIS COMPUTER MOD. CAPABILITY			N07 N20	RES	O	27.00	0.50	15.00	0.50	15.00	0.50	18.00	0.50	75.00	2.00
33	416.000 N	EAST-SIDE BULL TROUT STUDY			N02 N20	MON	C	.00	.00	.00	.00	.00	.00	10.00	0.20	10.00	0.20
33	112.000 N	MAP OLD GROWTH AND SENSITIVE AREAS			N17 N20	MON	O	15.00	0.40	15.00	0.40	15.00	0.40	.00	.00	45.00	1.20
33	116.000 N	WRITE AND COMPILE PARK FLORA			N20 N17	RES	O	.00	.00	.00	.00	.00	.00	1.00	0.05	1.00	0.05
33	141.000 N	CONDUCT HAZARD TREE SURVEYS & CONTROL			N22 N24	PRO	R	28.00	0.60	28.00	0.60	28.00	0.60	28.00	0.60	112.00	2.40
33	151.000 N	INVENTORY AND MAP CULTURAL LANDSCAPES		CULL	C11 C01	PRO	O	14.00	0.30	14.00	0.30	14.00	0.30	14.00	0.30	56.00	1.20
33	160.000 N	RESTORING WHITEBARK AND LIMBER PINE COMMUNITIES			N17 N05	No unfunded data											
33	238.000 N	HUCKLEBERRY PRODUCTION			N20	MON	C	20.00	0.50	.00	.00	20.00	0.50	.00	.00	40.00	1.00
33	201.000 N	WILDLIFE OBSERVATION DATA BASE COMPUTERIZATION			N20 N17	MON	R	8.00	0.30	8.00	0.30	8.00	0.30	8.00	0.30	32.00	1.20
33	202.000	WILDLIFE DISEASE INVENTORY			N20 N17	MON	O	22.00	0.50	22.00	0.50	22.00	0.50	.00	.00	66.00	
33	240.000 N	GRIZZLY BEAR FEEDING ECOLOGY			N02	RES	C	33.00	0.50	.00	.00	33.00	0.50	.00	.00	66.00	1.00

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PROGRAMMING SHEET 2
CULTURAL/INTEGRATED/NATURAL/SUBSISTENCE
UNFUNDED ACTIVITIES
($ in thousands)

PROJECT NUMBER	PROJECT TITLE	PKG NUM	CULT RES TYPE	SYSTEM-WIDE ISSUE	ACT TYP	T Y P	CURRENT YEAR 1994 $$	CURRENT YEAR 1994 FTE	OUTYEAR 1 1995 $$	OUTYEAR 1 1995 FTE	OUTYEAR 2 1996 $$	OUTYEAR 2 1996 FTE	OUTYEAR 3 -1997 $$	OUTYEAR 3 -1997 FTE	TOTAL $$	TOTAL FTE
33 244.000 N	BARRIERS TO GRIZZLY BEAR MOVEMENTS			N02	RES	O	78.75	2.00	78.75	2.00	78.75	2.00	.00	.00	236.25	6.00
33 247.000 N	SOCIAL AND NUTRITIONAL ROLE OF APGAR MTN FOR BEARS			N02	RES	O	105.00	2.50	105.00	2.50	110.00	2.50	110.00	2.50	430.00	10.00
33 261.000 N	ASSESMENT OF MANAGEMENT TECHNIQUES FOR DEER			N20 N22	RES	R	45.00	1.00	45.00	1.00	45.00	1.00	.00	.00	135.00	3.00
					MON	R	.00	.00	.00	.00	.00	.00	45.00	1.00	45.00	1.00
			Subtotal				45.00	1.00	45.00	1.00	45.00	1.00	45.00	1.00	180.00	4.00
33 288.000 N	EFFECTS OF FIRE ON CAVITY-NESTING BIRDS			N20 N07	RES	O	28.00	0.60	28.00	0.60	.00	.00	.00	.00	56.00	1.20
33 282.000 N	GTSR WILDLIFE MONITORING			N02 N17	MON	R	50.00	1.00	50.00	1.00	50.00	1.00	50.00	1.00	200.00	4.00
33 292.000 N	AVIAN USE OF WHITEBARK PINE			N20	RES	O	24.00	0.50	24.00	0.50	.00	.00	.00	.00	48.00	1.00
33 284.000 N	MIGRANT GOLDEN EAGLE MONITORING			N20 N17	MON	R	16.00	0.30	16.00	0.30	16.00	0.30	16.00	0.30	64.00	1.20
33 285.000 N	RAPTOR NESTING SURVEYS			N20 N17	MON	R	17.50	0.50	17.50	0.50	17.50	0.50	17.50	0.50	70.00	2.00
33 289.000 N	AVIAN USE OF EASTSIDE ASPEN COMMUNITIES			N20	RES	O	28.00	0.60	28.00	0.60	.00	.00	.00	.00	56.00	1.20
33 286.000 N	NEOTROPICAL MIGRATORY BIRD MONITORING			N17 N20	MON	R	32.00	1.00	32.00	1.00	32.00	1.00	32.00	1.00	128.00	4.00
33 290.000 N	COMMON LOON PRODUCTIVITY MONITORING			N20 N17	MON	R	5.00	0.10	5.00	0.10	5.00	0.10	.00	.00	15.00	0.30
					MON	C	.00	.00	.00	.00	.00	.00	7.00	0.10	7.00	0.10
			Subtotal				5.00	0.10	5.00	0.10	5.00	0.10	7.00	0.10	22.00	0.40
33 291.000 N	HARLEQUIN DUCK ECOLOGY			N20 N17	MON	R	17.00	0.30	17.00	0.30	17.00	0.30	17.00	0.30	68.00	1.20
33 315.000 N	GIS DATASETS FOR GEOLOGY			N20 N10	MON	O	15.00	0.30	.00	.00	.00	.00	.00	.00	15.00	0.30
33 133.000 N	REPAIR RESOURCE PROTECTION FENCING			C73 C70	RES	O	.00	.00	.00	.00	.00	.00	50.00	1.50	50.00	1.50
33 354.000 N	NOISE BASELINE STUDY			N20 N15	MON	O	50.00	1.00	50.00	1.00	.00	.00	.00	.00	100.00	2.00
33 355.000 N	NOISE SOCIOLOGICAL IMPACT			C23 N15	RES	O	50.00	1.30	.00	.00	.00	.00	.00	.00	50.00	1.30
33 404.000 N	REMOVAL OF FISH FROM HISTORICALLY FISH FREE LAKES			N04 N20	RES	O	35.00	0.60	52.00	1.00	47.00	1.00	.00	.00	134.00	2.60
33 406.000 N	DIVIDE CREEK, WILD CREEK, ST. MARY		COMB	N11 N12	MIT	O	100.00	2.00	100.00	2.00	.00	.00	.00	.00	200.00	4.00
33 403.000	TERRESTRIAL ANIMAL INVENTORY & MONITORING			N20	MON	C	25.00	0.60	25.00	0.60	25.00	0.60	25.00	0.60	100.00	2.40

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PK	PROJECT NUMBER	PROJECT TITLE	PKG NUM	CULT RES TYPE	SYSTEM-WIDE ISSUE	ACT TYP	T Y P	CURRENT YEAR 1994 $$	CURRENT YEAR 1994 FTE	OUTYEAR 1 1995 $$	OUTYEAR 1 1995 FTE	OUTYEAR 2 1996 $$	OUTYEAR 2 1996 FTE	OUTYEAR 3 -1997 $$	OUTYEAR 3 -1997 FTE	TOTAL $$	TOTAL FTE
33 N	294.000	AVIAN COMMUNITY RESPONSE TO FIRE IN CONIFER FOREST			N20	RES	O	77.00	1.00	77.00	1.00	.00	.00	.00	.00	154.00	2.00
33 N	251.000	FIRE IMPACTS ON UNGULATE WINTER RANGE			N20 N07	RES	O	55.00	1.00	75.00	1.00	75.00	1.00	.00	.00	205.00	3.00
33 N	410.000	LIFE HISTORY OF CHARRS IN UPPER KINTLA LAKE			N20 N24	RES	O	10.00	0.20	18.00	0.40	.00	.00	.00	.00	28.00	0.60
33 N	555.000	ANALYZE EFFECTS OF STARLINGS ON NATIVE BIRDS			N04	RES	O	38.00	0.60	.00	.00	.00	.00	.00	.00	38.00	0.60
33 N	412.000	AMPHIBIAN INVESTIGATIONS			N20	RES	C	40.00	1.00	.00	.00	.00	.00	.00	.00	40.00	1.00
33 N	413.000	LAKE MCDONALD FISHERY MANAGEMENT			N04 N20	MON	O	.00	.00	.00	.00	.00	.00	14.70	0.40	14.70	0.40
						MIT	O	.00	.00	.00	.00	.00	.00	14.70	0.40	14.70	0.40
				Subtotal				.00	.00	.00	.00	.00	.00	29.40	0.80	29.40	0.80
33 N	501.000	IDENTIFY VALUES AT RISK FROM WILDLAND FIRE		STRC	C12 C22	RES	O	50.00	1.00	.00	.00	.00	.00	.00	.00	50.00	1.00
33 N	502.000	MODIFY HAZARD FUELS TO PROTECT VALUES AT RISK		STRC	N08 C12	MIT	C	100.00	5.00	.00	.00	.00	.00	.00	.00	100.00	5.00
33 N	505.000	QUANTIFY FIRE BEHAVIOR AND FIRE EFFECTS			N07 N17	RES	O	45.00	1.50	52.00	1.50	.00	.00	.00	.00	97.00	3.00
33 N	650.000	COMMERCIAL SERVICES STUDY			C10	ADM	O	48.00	0.60	.00	.00	.00	.00	.00	.00	48.00	0.60
33 N	651.000	RELIGIOUS USAGE SURVEY		ETHN	C04 N24	RES	O	38.00	0.70	.00	.00	.00	.00	.00	.00	38.00	0.70
33 N	661.000	INTEGRATION OF N. FOREST AND N. PARK PLANS			N06 N16	PRO	R	60.00	1.00	60.00	1.00	60.00	1.00	60.00	1.00	240.00	4.00
33 N	663.000	ANALYSIS OF BASIN WIDE BIODIVERSITY INTEGRITY			N16 N17	RES	O	250.00	2.00	250.00	2.00	250.00	2.00	250.00	2.00	1000.00	8.00
33 N	664.000	GIS DATA BASE DEV. FOR LANDS ADJACENT TO GLACIER			N16 N20	MON	O	75.00	1.30	.00	.00	.00	.00	.00	.00	75.00	1.30
33 N	665.000	CROWN OF THE CONTINENT VIS. CENTER FEAS. STUDY			C10 N16	INT	O	330.00	0.20	.00	.00	.00	.00	.00	.00	330.00	0.20
33 N	562.000	REHABILITATE AND RESTORE GRANITE PARK CABIN AREA		CULL	N08 C13	MIT	O	25.00	0.40	.00	.00	.00	.00	.00	.00	25.00	0.40
33 N	204.000	WILDLIFE ASSESSMENT OF DEVELOPED AND BOUNDARY AREAS			N20 N22	RES	O	27.00	0.50	27.00	0.50	27.00	0.50	.00	.00	81.00	1.50

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PROJECT NUMBER	PROJECT TITLE	PKG NUM	CULT RES TYPE	SYSTEM-WIDE ISSUE	ACT TYP	T Y P	CURRENT YEAR 1994 $$	CURRENT YEAR 1994 FTE	OUTYEAR 1 1995 $$	OUTYEAR 1 1995 FTE	OUTYEAR 2 1996 $$	OUTYEAR 2 1996 FTE	OUTYEAR 3 -1997 $$	OUTYEAR 3 -1997 FTE	TOTAL $$	TOTAL FTE
33 248.000 N	ASSESSMENT OF BLACK BEAR MGMT TECHNIQUES			N24	PRO	R	18.00	0.50	18.00	0.50	.00	.00	.00	.00	36.00	1.00
33 533.000 N	INVENTORY AVALANCE CHUTES & ANALYZE VEG SUCCESSION			N20	RES	O	54.00	0.80	.00	.00	.00	.00	.00	.00	54.00	0.80
33 532.000 N	ANALYZE IMPACT OF SNOW PLOWING ON SOIL & VEGETATION			N06	RES	O	48.00	0.70	48.00	0.70	.00	.00	.00	.00	96.00	1.40
33 522.000 N	QUANTIFY IMPACT OF NEW SIGNIFICANT VOLCANIC ASHFALL			N20	RES	O	33.00	0.40	.00	.00	.00	.00	.00	.00	33.00	0.40
33 521.000 N	INVENTORY & PLAN GRAVEL PITS AND QUARRIES FOR REHAB			N06	RES	O	33.00	0.40	.00	.00	.00	.00	.00	.00	33.00	0.40
33 531.000 N	ANALYZE IMPACTS OF RUBIDEAU CR. DIVERSION			N12	RES	O	40.00	0.50	.00	.00	.00	.00	.00	.00	40.00	0.50
33 556.000 N	ANALYZE HUMAN USE OF BERRIES, MUSHROOMS AND FISH			N18	RES	O	40.00	0.60	.00	.00	.00	.00	.00	.00	40.00	0.60
33 551.000 N	DETERMINE IMPACT OF HUMAN WASTE ON AQUATIC SYSTEM			N11	RES	O	47.00	0.80	.00	.00	.00	.00	.00	.00	47.00	0.80
33 552.000 N	ANALYZE HYBRIDIZATION OF NATIVE & ORNAMENTAL PLANTS			N05	RES	O	24.00	0.50	.00	.00	.00	.00	.00	.00	24.00	0.50
33 554.000 N	DEVISE METHODOLGY - NUTRIENTS, BIOMASS, ENERGY			N20	RES	O	54.00	1.00	.00	.00	.00	.00	.00	.00	54.00	1.00
33 652.000 N	CONCESSIONS MANAGEMENT PLAN			N22 C17	ADM	O	56.00	1.00	.00	.00	.00	.00	.00	.00	56.00	1.00
33 311.000 N	INFERENCE OF SOILS USING GIS AND EXPERT SYSTEM TECH			N20 N24	MON	O	38.00	0.70	.00	.00	.00	.00	.00	.00	38.00	0.70
33 113.000 N	INVENTORY AND MONITOR VEGETATION			N17 N20	MON	R	50.00	1.50	50.00	1.50	50.00	1.50	50.00	1.50	200.00	6.00
33 114.000 N	INVESTIGATE GENETIC VARIETY IN REVEG SPECIES			N17 N20	RES	R	18.00	0.50	18.00	0.50	18.00	0.50	18.00	0.50	72.00	2.00
33 117.000 N	COMPILE DATABASE FOR VEGETATION SPECIES			N17 N20	MIT	O	11.00	0.40	10.00	0.30	.00	.00	.00	.00	21.00	0.70
33 152.000 N	CONDUCT TRAINING IN CULTURAL LANDSCAPE MAGT			C25 C01	PRO	R	6.00	0.10	6.00	0.10	6.00	0.10	6.00	0.10	24.00	0.40
153.000	WRITE CULTURAL LANDSCAPE VEGT MAGT GUIDELINES			C01 C11	PRO	O	5.50	0.20	5.50	0.20	6.00	0.20	6.75	0.20	23.75	0.80

PROGRAMMING SHEET 2
CULTURAL/INTEGRATED/NATURAL/SUBSISTENCE
UNFUNDED ACTIVITIES
($ in thousands)

PROJECT NUMBER	PROJECT TITLE	PKG NUM	CULT RES TYPE	SYSTEM-WIDE ISSUE	ACT TYP	T Y P	CURRENT YEAR 1994 $$	CURRENT YEAR 1994 FTE	OUTYEAR 1 1995 $$	OUTYEAR 1 1995 FTE	OUTYEAR 2 1996 $$	OUTYEAR 2 1996 FTE	OUTYEAR 3 1997 $$	OUTYEAR 3 1997 FTE	TOTAL $$
129 projects printed															
		Grand Total $$					6986.25		5303.60		5218.25		7290.65		24798.75
		Grand Total FTE						134.70		98.45		90.78		151.75	475.68