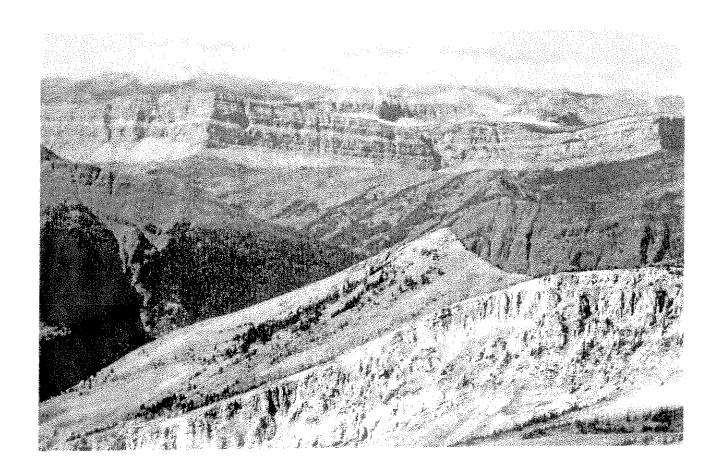




# COOPERATIVE AGREEMENT FOR FISH, WILDLIFE AND HABITAT MANAGEMENT ON NATIONAL FOREST WILDERNESS LANDS IN MONTANA

June 2008





#### INTEROFFICE MEMORANDUM

Ref:DO069-09 February 12, 2009

TO:

FWP Management Team

FROM:

Joe Maurier DL

SUBJECT:

Montana Fish, Wildlife and Parks joint agreement with the US Forest Service on:

FISH AND WILDLIFE MANAGEMENT AGREEMENT IN WILDERNESS

You may recall from past Management Team discussions on Wilderness Fish and Wildlife activities that our goal was to adapt the AFWA National Agreement into a state agreement. Well after almost three years, FWP and the Regional Office of the Forest Service signed the document last November.

Our plan is to conduct training sessions to educate and inform FWP folks on how to coordinate on wilderness management actions in the future. Our hope is to conduct one or two workshops around the state over the next couple of years.

A copy of the agreement is attached to this memo for your use. Thanks to all who helped work on this document.

Enc.





# COOPERATIVE AGREEMENT FOR FISH, WILDLIFE AND HABITAT MANAGEMENT ON NATIONAL FOREST WILDERNESS LANDS IN MONTANA

June 2008

These policies and guidelines are intended to serve as a framework for enhanced cooperation between Montana Fish, Wildlife and Parks and the Forest Service Region 1 in the management of fish, wildlife and habitat on National Forest administered wilderness in Montana.

Thomas I lideall	11/12/08
Tom Tidwell, Regional Forester, Northern Region	' Daté
USDA Forest Service	

M. Jeff Hagener, Director, Montana Fish, Wildlife and Parks

Date

# COOPERATIVE AGREEMENT FOR FISH, WILDLIFE AND HABITAT MANAGEMENT ON NATIONAL FOREST WILDERNESS LANDS IN MONTANA

#### A PREFACE

#### BACKGROUND AND PURPOSE

In June 2006, the Association of Fish and Wildlife Agencies (AFWA), the US Forest Service (USFS) and Bureau of Land Management (BLM) signed a revised agreement establishing policies and guidelines for management of fish and wildlife in congressionally designated wilderness areas.

That agreement recognized the importance of communication between individual states and the USFS and directed the agencies to establish State specific agreements. In the spirit of this direction, this cooperative agreement between Montana Fish, Wildlife and Parks (MFWP) and the United States Forest Service (USFS) Northern Region is developed. Though the agencies have different authorities and responsibilities, the fish, wildlife and habitat resources will benefit most through a cooperative approach to management.

The Cooperative Agreement represents a collective vision of our agencies responsibilities on management of fish, wildlife and habitat in Montana.

#### A. RELATIONSHIP TO THE WILDERNESS ACT:

The 1964 Wilderness Act defines wilderness, describes the purpose for wilderness, and directs the wilderness management agencies to protect wilderness character. This Fish, Wildlife and Habitat Management Cooperative Agreement reflect those provisions of the Wilderness Act of 1964:

The purpose of Wilderness is, "In order to assure that an increasing population...does not occupy and modify all areas...leaving no lands designated for preservation and protection in their natural condition, it is hereby declared to be the policy of the Congress to secure for the American people of present and future generations the benefits of an enduring resource of wilderness." [Section 2 (a)] The Act defines Wilderness as, "A wilderness, in contrast with those areas where man and his works dominate the landscape, is hereby recognized as an area where the earth and its community of life are untrammeled by man, where man himself is a visitor who does not remain." Wilderness is further defined as an area ... "which is protected and managed so as to preserve its natural conditions and which ... generally appears to have been affected primarily by the forces of nature, with the imprint of man's work substantially unnoticeable...." [Section 2 (c)]. Further, the Act defines the purposes of wilderness in Section 4 and specifically states that, "Except as otherwise provide in this Act, each agency administering any area designated as wilderness shall be responsible for preserving the wilderness character of the area....". [Section 4 (b)]

Though the Wilderness Act does not specifically define wilderness character, the agencies have determined that wilderness character may be defined by the four statutory qualities of wilderness: untrammeled, natural, undeveloped and outstanding opportunities for solitude or a primitive and unconfined type of recreation. These qualities are defined in ATTACHMENT D to this document.

When projects are proposed in wilderness, affects to these four wilderness qualities must be assessed and mitigated.

It is important to note that the Wilderness Act also specifically acknowledges the role the States have in management of fish and wildlife. Section 4(d)(7) of the Wilderness Act provides that "nothing in this Act shall be construed as affecting the jurisdiction or responsibilities of the several States with respect to wildlife and fish in the national forests."

The Forest Service and Montana Fish, Wildlife and Parks acknowledge that each agency has important management responsibilities relating to fish and wildlife resources in wilderness and will endeavor to work cooperatively to fulfill these responsibilities while protecting wilderness character.

#### B. STATEMENT OF MUTUAL INTERESTS AND BENEFITS:

The USFS is responsible for the management of National Forest System (NFS) lands for a variety of uses and activities including wilderness stewardship and protection. USFS administers federally designated wilderness areas in accordance with the Wilderness Act, including supporting the State's fish and wildlife objectives; to the extent such objectives are consistent with the Act.

Montana Fish, Wildlife & Parks, is responsible for the protection, preservation and management of fish and wildlife resources throughout the state on both private and public lands. Many species of fish and wildlife utilize private and public lands, including Wilderness, at least on a seasonal basis, which adds to the complexity of fish and wildlife management.

Both agencies acknowledge each other's interests and agree that it is to the benefit of the resource to work collaboratively to manage the fish and wildlife resources and their habitat in a manner that is compatible with the purpose and definition of wilderness as described in the 1964 Wilderness Act.

In consideration of the above premises, the parties agree as follows:

#### C. THE USFS AND MFWP SHALL:

Encourage new MFWP and USFS employees with responsibilities for wilderness management to attend wilderness training.

Conduct annual coordination meetings between respective local Forests or Ranger Districts and MFWP Regions to identify opportunities, and jointly pursue projects that meet mutually beneficial fish, wildlife and habitat objectives, subject to compliance with applicable State and Federal law. These meetings can occur in conjunction with annual wilderness coordination meetings as long as adequate time is dedicated to discussion of joint interests.

Annual meetings should include appropriate line officers and wilderness managers, fisheries/wildlife personnel, enforcement personnel from USFS, and MFWP Regional Supervisors, wardens, biologists and appropriate division and Directors Office personnel.

Annual meetings will include at a minimum:

- MFWP and USFS reports on previous year projects and accomplishments.
- Presentation of general information on proposals or management actions not requiring Forest Service line officer approval for the upcoming year or future out-year projects.
- Discussions of compliance with Montana Environmental Policy Act (MEPA) and National Environmental Policy Act (NEPA), the Minimum Requirements Decision Process (MRDP) and the approval process for projects or management actions that require USFS approval.
- Forest Service projects or management actions, such as decisions on outfitter and guide service days, locations, camps, etc. that may have an effect on wildlife or fisheries should be discussed.

In addition to the annual meetings, coordination between MFWP and USFS enforcement personnel, wilderness managers, and biologists should occur on a regular basis.

#### D. GENERAL POLICY:

The USFS and MFWP recognize that angling, hunting, trapping, and recreational boating (non-motorized) are all legitimate activities in wilderness. Management activities related to these activities will be planned and implemented in conformance with the Wilderness Act and other applicable state and federal laws. Fish and wildlife management activities will emphasize natural processes, to the greatest extent possible, and will be guided by the principle of doing only the minimum necessary to recover, conserve or maintain fish and wildlife resources, while protecting wilderness character.

Section 4(c) of the Wilderness Act states: "Except as specifically provided for in this Act, and subject to existing private rights, there shall be no commercial enterprise and no permanent road within any wilderness area designated by this Act and, except as necessary to meet minimum requirements for the administration of the area for the purpose of this Act (including measures required in emergencies involving the health and safety of persons within the area), there shall be no temporary road, no use of motor vehicles, motorized equipment or motorboats, no landing of aircraft, no other form of mechanical transport, and no structure or installation within any such area."

Proposed State fish and wildlife management activities that may involve uses generally prohibited under Section 4(c) of the Wilderness Act will be considered and may be authorized by the Federal administering agency. The USFS will consult closely with MFWP and give careful consideration to State fish and wildlife interests when considering proposed action. A process has been developed to assist a project manager in determining whether an action is the minimum necessary, and if so, the minimum tool to complete the action. That process is described in the attached Minimum Requirements Decision Process (MRDP) outline.

The MFWP project manager should complete the MRDP with assistance from the USFS. If the action is determined to be the minimum necessary, final decision may be subject to the further analysis under the NEPA and the MEPA. MFWP and USFS will work cooperatively to determine who should take the lead in the analysis process and to appoint an interdisciplinary team consisting

of personnel from both agencies, where feasible.

Some MFWP fish and wildlife management action in wilderness do not require USFS authorization. A list of those actions is found below. More detailed information about specific actions is found in Section F. of this Agreement or Forest Service Manual 2320.

For purposes of this document, indigenous wildlife and fish species are those that naturally occur within a wilderness area and that were not introduced by humans. Additionally, fish species introduced for management purposes prior to wilderness designation may be managed as indigenous fish species if the species is likely to survive. The State has the responsibility to make the determination as to which wildlife and fish species are indigenous.

Proposed fish, wildlife or habitat management actions by the USFS should be discussed and agreed to by MFWP.

#### E. PROCESS FOR ADDRESSING MANAGEMENT PROPOSALS

This Agreement establishes a standard process for addressing fish, wildlife and habitat management proposals and resolving related issues raised by either agency. The process is described below and in the flowchart in ATTACHMENT C.

In accordance with the national agreement between the federal agencies and the AFWA, dated June 2006, the following actions require federal agency approval:

- Use of motorized equipment
- Landing of aircraft
- Any kind of mechanical transport
- Temporary or permanent facility development, structures or installations
- Use of chemicals (pesticides or herbicides)
- Habitat alteration
- Stocking previously unstocked waters

Transplanting wildlife (except threatened and endangered species) requires pre-approval from the federal agency. The MT FWP has concern over this requirement in the national agreement and has elevated this concern to the national AFWA organization for further discussion with the USFS Washington Office Staff. Until that is resolved at the national level, in Montana, any wildlife transplants in wilderness (except threatened and endangered species) will be discussed and mutually agreed upon by the USFS and the MTFWP.

\*See specific agency policy to determine what level of authority is required for these actions

The following actions do not require federal agency approval (if project does not include use of motorized equipment, mechanical transport, landing of aircraft, structures or installations):

- Aerial counts and observation
- Capturing and marking animals and radio telemetry
- Transplanting threatened and endangered species into previously occupied habitat
- Angling, hunting, trapping
- Gill-netting; battery operated electrofishing
- Fish stocking where established prior to designation using the method that was established at the time of designation (even if that method involved motorized equipment or mechanical transport)
- Changes in fish species stocked in areas where stocking was established prior to designation.

The following is a step by step explanation of the NEPA process to follow when there is a project proposal. A visual of this process can be found in ATTACHMENT C.

Step 1. Is the action adequately covered by previous NEPA analysis, such as in a wilderness or land management plan? (See ATTACHMENT B for Forest and Wilderness Plan direction)

If yes, the project can be implemented without further analysis. For instance, fish stocking is allowed where it was established prior to wilderness designation by means that were traditionally used. The MFWP will make available to the Forest Service a stocking schedule so that in any given year the line officer will know which lakes will be stocked and by what means. The line officer will work with the MFWP to identify mitigation measures to protect wilderness character and to minimize effects to the public.

If no, the MFWP should proceed through the flowchart.

- Step 2. If the action is not adequately covered by NEPA, MFWP responds to the question; can this project be accomplished outside of wilderness and still meet stated goals and objectives? If yes, the project should be implemented outside of wilderness. If not, the MFWP, with assistance from the USFS should complete the minimum requirement decision process as described in Attachment A of the National AFWA agreement dated June 2006. Though the question, "can this project be accomplished outside of wilderness" is included in the MRDP, it is significant enough to warrant it as a first step in this flowchart. If the project can be accomplished outside of wilderness, there is no need to proceed with the MRDP.
- Step 3. If the MRDP indicates that the project is necessary in wilderness but no federal agency approval is required, notify the line officer and discuss implementation.

If the MRDP identifies the need for motorized equipment and/or mechanical transport or the activity requires federal agency approval, an analysis is required under the NEPA. The first step in the NEPA process is public scoping which helps determine the extent of analysis required. The MFWP should develop a purpose and need for the project at this time. The purpose and need for the project will define the level of scoping necessary.

See attachment D for more information on NEPA requirements and scenarios.

#### F. PROJECT IMPLEMENTATION

The following topics should be reviewed and discussed during annual coordination meetings or during any discussions relative to projects proposed by the State to meet fish and wildlife conservation objectives in wilderness:

#### 1. Use of Motorized Equipment

As outlined in Section E. General Policy, the States' fish and wildlife management activities within wilderness can be accomplished with motor vehicles, motorized equipment, or mechanical transport, only if these devices are necessary to meet the minimum requirements for the administration of the area as wilderness or are specifically permitted by other provisions of the Act. Any such use should be rare and temporary; no roads can be built; and proposals for use of motorized equipment will be considered and may be authorized by the Federal land management agency, in cooperation with the State, through application of the MRDP as outlined in Section E., General Policy. Any use of motorized equipment or mechanical transport requires advance approval by the Federal administering agency.

#### 2. Application of Pesticides

The use of pesticides may be necessary in management of fish and wildlife resources, and their use must be approved by the Federal administering agency.

#### Guidelines for Application of Pesticides

- 1) Use pesticides only where other measures are impractical.
- 2) Use only registered pesticides according to label directions and subject to the following restrictions:
  - a) Pesticides may be applied only by certified applicators.
  - b) The placement of pesticides shall be accurately indicated on the largest scale USGS map available.
  - c) Place warning signs at the entrance to the area where pesticides are being used to warn the public of any dangers to themselves or their pets.
  - d) In the selection of pesticides, give preference to those that will have the least impact on non-target species and on the wilderness environment.

#### 3. Fish and Wildlife Research and Management Surveys

Research and evaluation related to fish and wildlife, their habitats and the recreational users of these resources are legitimate activities in wilderness when conducted in a manner compatible with the area as wilderness. Coordination of all research and survey activities is essential between State and Federal agencies. Methods that temporarily infringe on the wilderness environment may be authorized by the Federal administering agency if alternative methods or other locations are not

reasonably available. Research or management survey activities that would involve uses generally prohibited under Section 4 (c) of the Wilderness Act will be considered and may be authorized by the Federal administering agency through application of the MRDP as outlined in Section E., General Policy.

Helicopters and fixed-wing aircraft over flights may be used to conduct fish and wildlife research and management activities. Use of aircraft for these activities will be coordinated among the State and Federal agencies to minimize conflicts with other wilderness uses. To the greatest extent possible, aircraft must be used in a manner that minimizes disturbance to wilderness character and to human and wildlife use of the wilderness.

Aerial counts and observations (i.e. surveys) of wildlife are allowed in the management of fish and wildlife resources in wilderness. Capturing and marking of animals, radio telemetry, and occasional installations (such as shelters for cameras and scientific apparatus and enclosures essential for wildlife research or management surveys) that would involve uses generally prohibited under Section 4 (c) of the Wilderness Act will be considered and may be authorized by the Federal administering agency through application of the MRDP as outlined in Section E., General Policy.

#### Guidelines for Fish and Wildlife Research and Management Surveys

- a) Obtain specific written approval or permits from the Federal administering agency before erecting any structure, enclosure, or exclosure.
- b) Locate and construct all structures so as to make them unobtrusive on the landscape.
- c) Construct structures of native materials or camouflage to make them blend with their natural surroundings.
- d) Plan aircraft flights over wilderness to minimize disturbance. Consider time of day, season of the year, route and altitude of flight, and location of landing areas on the perimeter of the wilderness.
- e) Research projects underway when a wilderness is designated may continue, but research methods should be modified, if possible, to minimize disturbance of the wilderness environment.
- f) Installation of base stations for monitoring of radio-instrumented animals will be considered and may be authorized by the Federal administering agency through application of the MRDP as outlined in Section E., General Policy.
- g) The Federal administering agency should only approve methods that minimize the impact on the wilderness environment to the greatest extent possible.

#### 4. Facility Development and Habitat Alteration

Facility development and habitat alteration may be necessary to alleviate adverse impacts caused by human activities on fish and wildlife, including human/wildlife conflicts, and to conserve fish and wildlife resources in wilderness. Facility development and habitat alteration that would involve

uses generally prohibited under Section 4 (c) of the Wilderness Act will be considered and may be authorized by the Federal administering agency through application of the MRDP as outlined in Section E., General Policy. For the benefit of wildlife that spend only part of the year in wilderness, give first priority to locating facilities or habitat alterations outside wilderness.

Flow-maintenance dams, water developments, water diversion devices, ditches and associated structures, and other fish and wildlife habitat developments necessary for fish and wildlife management (which were in existence before wilderness designation) may remain in operation.

Maintenance of existing water supplies and development of additional water supplies, including wildlife water developments, that would involve uses generally prohibited under Sec. 4 (c) of the Wilderness Act will be considered and may be authorized by the Federal administering agency through application of the MRDP as outlined in Section E., General Policy.

Clearing of debris that impedes the migratory movements of fish on primary spawning streams that would involve uses generally prohibited under Section 4 (c) of the Wilderness Act will be considered and may be authorized by the Federal administering agency through application of the MRDP as outlined in Section E., General Policy.

# Guidelines for Facility Development and Habitat Alteration

- a) Submit proposals for new structures or habitat alterations to the Federal administering agency for approval.
- b) Build or maintain new and existing structures permitted for wildlife management in a manner that minimizes the visual impacts on the landscape.
- c) Limit clearing of debris from spawning streams to those identified in the wilderness management plan as being critical to the propagation of fish.
- d) Proposals involving use of motorized equipment generally prohibited under Sec. 4(c) of the Wilderness Act will be considered and may be authorized by the Federal administering agency through application of the MRDP as outlined in Section E., General Policy.
- e) If it is necessary to restore essential food plants after human disturbance, use only indigenous-plant species. Plant species that naturally occurred or occur in a wilderness area and were not introduced by humans are considered indigenous.

## 5. Threatened and Endangered Species

Many wilderness areas provide important habitat for federally listed threatened and endangered species of wildlife. For purposes of this document, threatened and endangered species means federally listed species applicable to the geographic area. Actions necessary to conserve or recover threatened or endangered species, including habitat manipulation and special conservation measures, that involve uses generally prohibited under Section 4 (c) of the Wilderness Act, will be considered and may be authorized by the Federal administering agency through application of the MRDP as outlined in Section E., General Policy.

#### Guidelines for Threatened and Endangered Species

- a) When alternative areas outside of wilderness offer equal or better opportunities for habitat improvement or species conservation, actions to recover threatened or endangered species outside of wilderness should be considered first, but this does not preclude analyzing or implementing projects in wilderness.
- b) Threatened and endangered species may be transplanted into previously occupied habitat within wilderness. Proposals that would involve uses generally prohibited under Section 4 (c) of the Wilderness Act will be considered and may be authorized by the Federal administering agency through application of the MRDP as outlined in Section E., General Policy.
- c) Proposals for transplants of indigenous species and proposals for habitat improvement projects require close coordination and cooperation between the State and Federal administering agencies.
- d) To prevent Federal listing, manage and conserve indigenous species that could become threatened or endangered.

#### 6. Angling, Hunting, and Trapping

Angling, hunting, and trapping are legitimate activities in wilderness subject to applicable State and Federal laws and regulations.

#### 7. Population Sampling

Scientific sampling of fish and wildlife populations is an essential activity in wilderness.

#### Guidelines for Population Sampling

- a) When possible, use only methods that are compatible with the wilderness environment.
- b) Gill netting, battery-operated electrofishing, and other standard techniques of population sampling that would involve uses generally prohibited under Section 4 (c) of the Wilderness Act will be considered and may be authorized by the Federal administering agency through application of the MRDP as outlined in Section E., General Policy. (See Montana State Agreement, Section E or Attachment C for clarification).
- c) Closely coordinate sampling activities with the Federal administering agency and schedule them to avoid heavy public-use periods.

#### 8. Chemical Treatment

Chemical treatment may be necessary to prepare waters for the reestablishment of indigenous fish species, consistent with approved wilderness management plans, to conserve or recover federally listed threatened or endangered species, or to correct undesirable conditions resulting from human activity. Proposals for chemical treatments will be considered and may be authorized by the Federal administering agency through application of the MRDP as outlined in Section E., General Policy. Any use of chemical treatments in wilderness requires prior approval by the Federal administering agency.

#### Guidelines for Chemical Treatment

- a) Use only registered pesticides according to label directions.
- b) In selecting pesticides, give preference to those that will have the least impact on non-target species and on the wilderness environment.
- c) Schedule chemical treatments during periods of low human use, insofar as possible.
- d) Immediately dispose of fish removed in a manner agreed to by the Federal administering agency and the State agency.

#### 9. Spawn Taking

The collection of fish spawn in wilderness shall be permitted when alternative sources are unavailable or unreliable, or where spawn taking was an established practice before wilderness designation.

#### Guidelines for Spawn Taking

- a) Spawn taking proposals that would involve uses generally prohibited under Section 4(c) of the Wilderness Act will be considered and may be authorized by the Federal administering agency through application of the MRDP as outlined in Section E., General Policy.
- b) Use of techniques and facilities necessary to take spawn, which were in existence before wilderness designation, may continue as provided for in the wilderness management plan.
- c) Facilities for spawn-taking stations approved after wilderness designation must be removed after the termination of each season's operation.
- d) Decisions to prohibit spawn taking, where it was an established practice before wilderness designation, will be made in close cooperation and coordination between the Federal administering agency and the State agency.

#### 10. Fish Stocking

Fish stocking may be conducted by the State agency in coordination with the Federal administering

agency to perpetuate or recover a threatened or endangered species, or to reestablish or maintain indigenous fish species. Any species of fish introduced for management purposes prior to wilderness designation may be managed as indigenous fish species if the species is likely to survive. State agencies may continue to stock those waters traditionally stocked prior to wilderness designation. State and Federal agencies should carefully evaluate stocking those waters that consistently require supplementation for reasons other than angler-induced mortality.

Selected species for stocking will be determined by the State agency in close cooperation and coordination with the Federal land management agency. In order of preference for stocking fish species are (a) Federal threatened or endangered species, and (b) indigenous species. Numbers and size of fish and time of stocking will be determined by the State in coordination with Federal agencies.

Lakes and streams currently without fish may be considered for stocking, if there is mutual agreement that no appreciable loss of scientific values or adverse effects on wilderness resources will occur. It is generally undesirable to stock previously unstocked waters. Because these areas generally reflect natural ecosystem processes, they may possess high scientific values. Proposals for fish stocking that would involve uses generally prohibited under Section 4 (c) of the Wilderness Act will be considered and may be authorized by the Federal administering agency through application of the MRDP as outlined in Section E., General Policy.

#### Guidelines for Fish Stocking

- a) The State agency shall make fish stocking schedules available to the Federal administering agency, indicating what species and numbers are planned for each water within a wilderness.
- b) Adjust stocking rates to minimize the likelihood of exceeding the carrying capacity of the water being stocked so as to reduce the chance of producing a population imbalance.

#### 11. Aerial Fish Stocking

Aerial stocking of fish shall be permitted for those waters in wilderness where this was an established practice before wilderness designation or where other practical means are not available. Proposals that would involve uses generally prohibited under Section 4 (c) of the Wilderness Act will be considered and may be authorized by the Federal administering agency through application of the MRDP as outlined in Section E., General Policy.

#### Guidelines for Aerial Fish Stocking

- a) The State agency will supply the Federal administering agency a list of those waters where stocking with aircraft was an established practice before wilderness designation, indicating the type of aircraft used (fixed-wing or helicopter).
- b) To stock waters that had not been aerially stocked before wilderness designation, the State agency will demonstrate to the Federal administering agency the need for using aircraft.
- c) Plan aircraft flights over wilderness to minimize disturbance. Consider season of year, time of day, route and altitude of flight, and location of landing areas on the perimeter of the

#### wilderness.

#### 12. Transplanting Wildlife

Transplants (removal, reintroduction, or supplemental introduction) of terrestrial wildlife species in wilderness may be permitted if necessary: (a) to perpetuate or recover a threatened or endangered species; (b) to restore the population of an indigenous species; or (c) to manage wildlife populations in accordance with the States' wildlife populations objectives.

Transplants shall be made in a manner compatible with the wilderness character of the area. Transplant projects require advance written approval by the Federal administering agency. Follow-up monitoring surveys that would involve uses generally prohibited under Section 4 (c) of the Wilderness Act will be considered and may be authorized by the Federal administering agency through application of the MRDP as outlined in Section E., General Policy.

# \*\* See special note under E. Project Proposals

#### Guidelines for Transplanting Wildlife

Proposals for motorized methods and temporary holding and handling facilities that involve uses generally prohibited under Sec. 4 (c) of the Wilderness Act will be considered and may be authorized by the Federal administering agency through application of the MRDP as outlined in Section E., General Policy.

#### 13. Wildlife Damage Control

Wildlife damage control in wilderness may be necessary to conserve federally listed threatened or endangered species, to prevent transmission of diseases or parasites affecting wildlife and humans, or to prevent serious losses of domestic livestock. Refer to MOUs between the Animal and Plant Health Inspection Service (APHIS) and the Federal administering agencies regarding permissible action in wilderness. Proposals that would involve uses generally prohibited under Section 4 (c) of the Wilderness Act will be considered and may be authorized by the Federal administering agency through application of the MRDP as outlined in Section E., General Policy.

#### Guidelines for Wildlife Damage Control

- a) Acceptable control measures include lethal and nonlethal methods, depending upon need, justification, location, conditions, efficiency and applicability of State and Federal laws.
- b) Control measures will be implemented by APHIS, the Federal administering agency, the State fish and wildlife agency, or other approved State agency, pursuant to cooperative agreements or MOUs.
- c) Direct control at individual animals causing the problem.
- d) Use only the minimum amount of control necessary to solve the problem.

# 14. Visitor Management to Conserve Wilderness Wildlife Resources

Many wildlife species are sensitive to human encroachment on their ranges. Grizzly bear, bighorn

sheep, elk, mountain goat, birds of prey (such as peregrine falcon and bald eagle), other migratory and resident birds, and certain other wilderness wildlife species may be sensitive to excessive human disturbance, particularly during certain seasons of the year.

# Guidelines for Visitor Management to Conserve Wilderness Wildlife Resources

- a) Specify in the wilderness management plan the management actions necessary and the agency responsible to reduce conflicts with wildlife.
- b) If and when it becomes apparent that public use is significantly degrading the wilderness wildlife resources, limitations on visitor use may be imposed and enforced by the appropriate Federal administering agency in coordination with the State wildlife agency. Any limitations will be applied equitably to all wilderness visitors.

#### 15. Management of Fire

The objectives of fire management in wilderness are to: (a) permit lightning-caused fires to play, as nearly as possible, their natural ecological role within wilderness and (b) reduce, to an acceptable level, the risks and consequences of wildfire within wilderness or escaping from wilderness. Fire ignited by lightning may be permitted to burn or will be suppressed as prescribed in an approved plan. Prescribed fires may be permitted to reduce unnatural buildup of fuels only if necessary to meet objectives (a) and (b) above and require approval from the Federal administering agency.







#### ATTACHMENT A

#### Minimum Requirements Decisions Process Outline

Pursuant to the Policies and Guidelines for Fish and Wildlife Management in National Forest and Bureau of Land Management (BLM) Wilderness, the intent of this attachment is to document the analysis process used by the BLM and Forest Service, in cooperation with the State fish and wildlife agencies, to determine the "minimum requirements" for accomplishing fish and wildlife projects and activities within a wilderness area. It is also intended to reemphasize that continued State and Federal coordination and cooperation is necessary to meet each agency's management objectives in wilderness.

The following outlines the "Minimum Requirements Decisions Process" (MRDP) for certain proposed projects within wilderness. For certain projects proposed by State fish and wildlife agencies, this analysis will be completed by the applicable State agency in coordination with the responsible Federal agency. Unless specifically exempted by law, all proposed projects and activities within wilderness involving the eight Wilderness Act prohibitions listed below will require the completion of the MRDP to determine whether they can be authorized in wilderness. Section 4(c) of the Wilderness Act lists ten prohibited uses in wilderness. Eight of these prohibited uses could be allowed if they are "...necessary to meet the minimum requirements for the administration of the area for the purpose of this Act (including measures required in emergencies involving the health and safety of persons within the area)...".

The eight prohibited uses recognized by this exception are temporary roads, use of motor vehicles, motorized equipment or motorboats, landing of aircraft, other forms of mechanical transport, and structures or installations. The two Section 4(c) prohibited uses that may not be authorized in wilderness under the above exception are commercial enterprises and permanent roads.

The 1964 Wilderness Act directs that the determination to employ a generally prohibited use can only be made by the federal agency administering the affected wilderness area. The Act in Section 4(d)(8) also states that "Nothing in this Act shall be construed as affecting the jurisdiction or responsibilities of the several States with respect to wildlife and fish ..." within wilderness areas. For projects proposed by State wildlife agencies in designated wilderness it is crucial that Federal and State agencies respect each other's jurisdictions and responsibilities when employing the MRDP. The Federal land management agency must work closely and cooperatively with State agencies in determining how best to meet their needs within the allowable legal framework of the 1964 Wilderness Act and the legislation designating the area as wilderness.

For project proposals where a National Environmental Policy Act (NEPA) analysis is required, the MRDP prepared by the State agency will be included in the NEPA process. The Federal land management agency will work with the State agency to complete the applicable NEPA analysis in a

timely manner. As a part of the MRDP, the State agency will conduct the Minimum Requirements Decisions Process, in close coordination and cooperation with the Federal administering agency, and will document the conclusion from Step 1 and the decision from Step 2. The Federal administering agency will make the final determination of the minimum requirements.

#### Minimum Requirements Decisions

#### **Process Outline**

Step 1a: Determine if the action proposed by the State agency or Federal administering agency, to meet conservation objectives for fish and wildlife, is *necessary* to manage the area as wilderness.

First, describe the situation that may prompt the State agency or Federal administering agency action and describe how the action will address a problem or issue, or will otherwise contribute to fish or wildlife conservation objectives.

Then, determine whether the action is necessary in wilderness by describing why the action is necessary in terms of the following:

#### 1. Options Outside of Wilderness

Determine whether the purpose of the proposed action can safely, successfully and reasonably be accomplished outside of a wilderness area. However, this does not preclude analyzing or implementing projects in wilderness, so long as they meet the minimum requirement standard (if the project involves uses generally prohibited under Sec. 4(c) of the Wilderness Act). For wildlife species that spend only part of the year in wilderness, give first priority to locating facilities or habitat alterations outside of wilderness.

#### 2. Legal and Policy Consistency

Determine whether the proposed action is consistent with law, regulations, policies, and plans. Consider valid existing rights or special provisions of wilderness acts.

- 3. Consider Requirements of Other Legislation (ESA, ARPA, ANILCA, etc.)
- 4. Consider other Guidance (State wildlife conservation strategies, comprehensive plans, State listed threatened or endangered species or sensitive species lists, State or tribal agreements, etc.).

#### 5. Wilderness Character

Determine whether the proposed action contributes to the preservation of wilderness character (i.e., how does the proposed action contribute to maintaining the wilderness character?). See ATTACHMENT D for a more specific discussion of wilderness character.

#### 6. Public Purposes of Wilderness

Determine whether the proposed action is necessary for the purpose of wilderness (i.e., how would the proposed action support the public purposes for wilderness of recreation, scenic, scientific, education, conservation and historical uses?).

#### Step 1b: Conclusion: Is the Action Necessary?

If the action is necessary, proceed to Step 2 to determine the minimum tool or method for the action. If no action is necessary, stop here.

#### Step 2a: Determine the minimum tool

#### 1. Describe the Proposed Action and Alternative Actions

Analyze at least one feasible alternative, if available, that does not involve a generally prohibited act. This alternative must be one that could accomplish both the wilderness management objectives and the fish and wildlife conservation objectives of the proposed action.

#### 2. Compare the Effects of the Alternatives

Analyze whether the tools and techniques used to accomplish the proposed action are the least degrading to wilderness characteristics while safely, successfully and reasonably accomplishing the task. This entails analyzing the impacts of each alternative on the wilderness characteristics (naturalness, outstanding opportunities for solitude, or primitive and unconfined recreation, and other special features). Criteria such as time, convenience, and cost effectiveness may also be considered but are less significant than the potential for impacts to wilderness characteristics.

\*See ATTACHMENT D of the MFWP/FS Agreement for example scenarios and description of the four qualities of wilderness character as defined in the Wilderness Act.

#### Step 2b: Decision - What is the Minimum Tool?

- Identify the selected alternative.
- Describe the rationale for selecting this alternative, based on the analysis from 2a, law and policy.
- List management requirements for minimizing effects (timing, location, frequency, design standards for this action).
- Describe any monitoring and reporting requirements.

The MRDP used to determine the necessity to either employ or not employ a generally prohibited use meets the intent of the "...minimum requirement..." exception in Section 4(c) of the Wilderness Act. However, any Federal authorization of a generally prohibited use must include a rationale in the decision record that clarifies why the use is needed to manage the wilderness area for the purpose of wilderness and the legislation designating the area as wilderness.

• Decisions resulting from the MRDP outline can be documented in a format that best suits the Federal administering agency and the State wildlife agency.

## ATTACHMENT B-WILDERNESS OR FOREST PLAN DIRECTION

The following are excerpts from Forest Plans or Wilderness plans that provide specific direction on management of fish and wildlife in Wilderness. The Plans may contain more information/guidance on management of fish and wildlife but were not excerpted unless they provided specifics that are not already found in Forest Service policy (FSM 2320) or in the agreement with the Association of Fish and Wildlife Agencies.

#### Absaroka-Beartooth Wilderness

#### Custer National Forest Management Plan

Page 70-Management area I

- 3. Wildlife and Fish
- d) The Beartooth High Lakes Fisheries Analyses will be used as guidance in developing a fisheries program for the Wilderness. Barren lakes, not previously stocked, were considered for stocking and it is mutually (Forest Service Montana Department of Fish, Wildlife, and Parks) agreed to that thirteen lakes can be stocked with no adverse effects on the wilderness or the scientific value.

# Absaroka-Beartooth Management Plan

Page F-3

7. Fish and Wildlife

Management of fish and wildlife will be guided by FSM 2611.1-17, 4/79, R-1 Supp. 47. Memorandum of Understanding between the Montana Department of Wildland and Parks and the Forest Service.

- Fish stocking will be allowed to continue in lakes stocked prior to wilderness designation.
- Barren lakes, not previously stocked, may be considered for stocking after it has been
  mutually (Forest Service Montana Department of Fish, Wildlife and Parks) agreed and an
  environmental analysis conducted to identify the effect on scientific value and effects on the
  wilderness resource.
- The collection of fish spawn from Lightening Lake, when needed by the Montana Department of Fish, Wildlife and Parks, will be allowed in accordance with the Memorandum of Understanding
- The Beartooth High Lakes Fisheries Analysis will be used as guidance in developing a fisheries program for the Wilderness.
- Grizzly bears will be managed in accordance with the "Guidelines for Grizzly Bear management in the Greater Yellowstone Area" and Forest guidelines or policy as they are developed.
- Bighorn sheep populations will be monitored. Through the environmental analysis process, other land uses that could negatively impact the bighorn sheep population (i.e. location of grazing, trails, camps for management of livestock, and recreation uses) will be coordinated.
- The North Yellowstone migratory elk herd uses approximately 2,900 acres of the Absaroka-Beartooth Wilderness for winter range. This area can probably winter 670 elk based on an estimated production of 500 lb of forage per acre. The herd will continue to be monitored to confirm or refine these figures. Monitoring will be under the Trì-Agency

Cooperative Agreement for Elk Herd Management. If elk herd numbers cannot be maintained, the potential to increase the forage yield in the Wilderness through habitat Improvement will be assessed.

#### Anaconda-Pintler Wilderness

Chapter 2, Issues and Alternatives, Issue 6 - Fish stocking changes native communities

- Lakes traditionally managed through stocking will be managed by stocking with hatchery fish. Species will be confined to those native [a species present (or formerly present) within its historic range or naturally expanded from its historic range, and therefore one that has not been introduced by humans either accidentally or intentionally] to the watershed except in circumstances where a long history of exotic (non-native) stocking exists.
- Indicators for this issue include: Fishless lakes will remain fishless unless compelling future need is identified and acceptable to both FS and MFWP. Native fish populations will be maintained or expanded where opportunities exist.

Table A, Comparison of Existing Direction, EA Preferred Alternative & Final Decision

- Form a work group which includes fisheries and wilderness managers of MFWP and the Forest Service. This group will discuss items relating to the A-P.
- Among the items which may be the subject of discussion and for which the MFWP sanction
  may be sought are cessation of stocking in currently fishless lakes, protection of streams
  with pure west slope cutthroat or bull trout and manner and location of fish stocking.

#### Bob Marshall Wilderness Complex

Refer to Fish, Wildlife and Habitat Management Framework for the Bob Marshall Wilderness Complex dated April 1995 and the Supplement dated February 1997.

#### Gates of the Mountains Wilderness

Helena National Forest Plan, April 1986 Management Area P-2

- Fisheries habitat improvement projects outside the wilderness will be assessed for potential impacts upon the wilderness resource.
- Develop a joint resource management plan with the Montana Department of Fish, Wildlife, and Parks for the Beartooth Game Management Area and the Gates of the Mountains Wilderness.

#### Mission Mountains Wilderness

Flathead National Forest Plan, December 1985

Page III-120 Management Area 22

Fish and wildlife

3. Natural processes such as fire, wind, and insect and disease epidemics will be the only agents permitted to influence vegetation in the wilderness and its associated wildlife. No exclosure structures will be installed, and no vegetation manipulation projects will be considered.

#### Rattlesnake Wilderness

LAC based Management Direction Page - 13 Area-Wide Policies

- Encourage State to reduce or prohibit trapping of beaver when populations are declining
- Limit development (e.g. trails) in riparian zones
- Identify potential changes in regulation
- Encourage stricter enforcement of fishing regulations
- Educate users about catch and release fishing

## Rattlesnake and Welcome Creek Wilderness

Lolo National Forest Plan February, 1986

Page III-37

MANAGEMENT AREA 12 This Management Area consists of the portions of the Forest that have been classified as wilderness or are proposed for wilderness classification. It contains portions of the Selway-Bitterroot and Scapegoat Wildernesses and all of the Rattlesnake and Welcome Creek Wildernesses.

#### III-52

Recreation Opportunity:

5. Monitor and control artificial fish stocking in wilderness lakes so fishing activities do not impact wilderness solitude or lakeshore sites. Stream fishing in the Rattlesnake will be permitted above Beeskove Creek to provide additional nonwilderness recreation opportunity. Regulations and limits are established by the Montana State Department of Fish, Wildlife, and Parks.

#### Welcome Creek Wilderness

Lolo NF forest plan, 1986.

Page III-54

Wildlife and Fish:

No exclosure structures will be installed. No vegetation manipulation projects will be considered. No proposals for reintroduction of wildlife species will be considered. No stocking programs will be pursued. No fish habitat manipulation project will be considered.

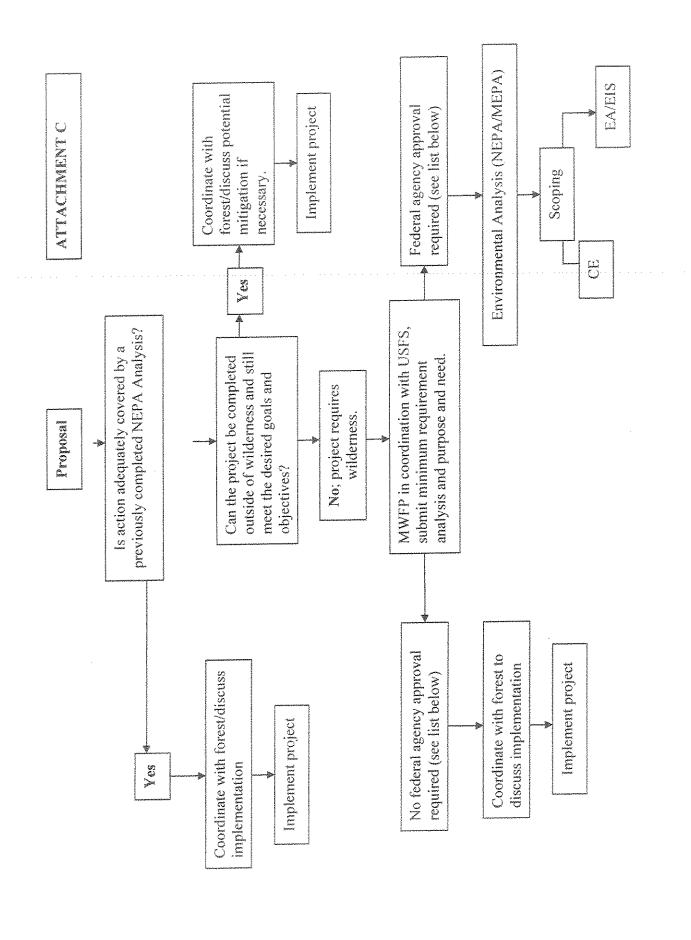
#### Selway-Bitterroot Wilderness

General Management Direction Nez Perce, Clearwater, Lolo, and Bitterroot National Forests 1992 update

Page F-1

F.Wildlife

- 2. Direction
- c. No salting of wildlife will be permitted.



#### ATTACHMENT D

NEPA Requirements for Projects related to Fish and Wildlife Management in Wilderness

This attachment to the agreement between the Forest Service Northern Region and Montana Fish Wildlife and Parks (MTFWP) provides guidance on application of the National Environmental Policy Act for projects proposed by MTFWP.

Projects can be categorically excluded (CE) from an Environmental Assessment (EA) or Environmental Impact Statement (EIS) if:

- The proposed action is within one of the categories created by the Forest Service, USDA or Congress (FSH 1909.15 Chapter 30)
- 2. There are no extraordinary circumstances (FSH 1909.15 Chapter 30.3)
- 3. Scoping performed in accordance with FSH 1909.15 Chapter 11 identifies that a CE is appropriate and that the action will cause no significant effects. If the responsible official determines, based on scoping, that it is uncertain whether the proposed action may have a significant effect on the environment, prepare an EA (ch. 40). If the responsible official determines, based on scoping, that the proposed action may have a significant environmental effect, prepare an EIS (ch. 20)." Scoping is required on all proposed action, including those that would appear to be categorically excluded.

Congressionally designated wilderness is one of the resource conditions to be evaluated to determine if extraordinary circumstances exist. The mere presence of this resource condition does not preclude the use of CE. It is (1) the existence of a cause-effect relationship between a proposed action and the potential effect on the resource condition and (2) if such a relationship exists, the degree of the potential effect of a proposed action on the resource condition that determines whether extraordinary circumstances exist. (FSH 1909.15, 30.3)

Timelines for completion of NEPA can vary depending upon appeals and litigation. Typically, if there are no appeals or litigation, an EA can be completed in 12-18 months and an EIS 18-24 months. Decisions that are categorically excluded from further documentation can be implemented as soon as the decision memo is signed.

The following are proposed actions that occur and a general response on level of NEPA required.

Scenario—MT FWP has been stocking native fish in a wilderness lake with helicopters since before the area was designated wilderness. In a particular year, they have some more specific research that they need to conduct related to survival rates that requires specialized equipment. They have completed a minimum requirements/minimum tool analysis (MRDP) that concludes that the minimum tool is to use a helicopter to carry in the equipment. They will need to make two trips into the wilderness lake and therefore are requesting approval to land the helicopter twice.

The District Ranger conducts scoping, no significant issues are identified. The District reviews the MRDP particularly the analysis of effects to wilderness character, and concludes that there will be no lasting or significant affect to wilderness, writes a decision memo and forwards the request to the Forest Supervisor who is the approving official for this action. The Forest Supervisor approves the landings and requires the state to conduct the research outside of the heavy visitor use season.

Scenario—MTFWP is proposing to transplant mountain goats into the wilderness. They are a native species in this wilderness but have not been present for many years. MTFWP completes a MRDP and concludes that a helicopter is the minimum tool. The District Ranger conducts scoping, no significant issues are identified. The District reviews the MRDP particularly the analysis of effects to wilderness character, and concludes that there will be no lasting or significant affect to wilderness, writes a decision memo and forwards the request to the Forest Supervisor who is the approving official for this action. The Forest Supervisor approves the landings and requires the state to conduct the research outside of the heavy visitor use season.

Scenario—MTFWP is proposing to stock fish in a stream that has never had fish in the past. They complete an MRDP and conclude that they can backpack fish into the stream. The DR completes scoping and several issues arise including potential effects to the aquatic resources and potential effects to wilderness character. The DR concludes that there is existence of a cause-effect relationship between the proposed action and the degree to which wilderness will be effected is unknown. The DR therefore concludes that the project cannot be categorically excluded, and EA is required and very likely an EIS will be required. In this case, it is probably best to just complete an EIS.

Scenario – MTFWP is proposing to change the species stocked in a wilderness lake that has been stocked since before the area was designated wilderness. They would like to restore a native species where non-native have been stocked in the past (i.e. switch from rainbow trout to west slope cutthroat trout). Because the method of stocking was established prior to wilderness designation and there are no proposed landings, MTFWP will coordinate the timing and location of the action with the District Ranger and no further analysis in needed.

In all proposals the following apply:

- 1. Effects to wilderness character must be assessed. The four qualities of Wilderness character identified in the Wilderness Act are described below.
- 2. All CEs for fish and wildlife projects require a project or case file and a decision memo.
- 3. All of the above scenarios may change based on the results of scoping.

#### Statutory Qualities of Wilderness Character

Untrammeled—American Heritage Dictionary defines untrammeled as allowed to "run-free". Synonyms for untrammeled include unrestrained, unmanipulated, unencumbered, self-willed and wild. Actions that intentionally manipulate or control ecological systems in wilderness degrade the untrammeled quality of wilderness character, even though they may be taken to restore natural conditions. For example, wilderness is manipulated and the untrammeled quality of wilderness character is diminished when naturally ignited fires are suppressed, when animals or plants are removed, or when landscapes are restored by introducing trees that are genetically resistant to pathogens.

Undeveloped or "Does not Occupy"—This quality relates to the presence of structures, construction, habitations, and other evidence of modern human presence or occupation. The undeveloped quality of wilderness is impacted by signs, structures, installations, roads and trails, special provisions such as livestock grazing, electronic sites, etc., and the use of motorized equipment, mechanical transport, landing of aircraft, etc.

Natural—The Wilderness Act states that wilderness, "is protected and managed so as to preserve its natural conditions." This quality relates to both intended and unintended effects of modern people on ecological systems inside wilderness. In summary, ecological systems are substantially free from effects of modern civilization. The purpose is to assess the effects of modern people on wilderness ecological systems and not to maintain static or unchanging natural conditions in wilderness. For example, authorization to use prescribed fire in wilderness is assessed under the untrammeled quality because it is a decision to manipulate the wilderness. The ecological effects of this manipulation are monitored under the natural quality.

Opportunities for solitude or primitive and unconfined recreation—What the framers of the Wilderness Act meant by these words is not documented, however dictionaries define solitude, unconfined and primitive as remoteness, isolation, seclusion, the absence of all others, simplicity, unrestricted. Therefore managers strive to protect these qualities by minimizing the number of people that will be seen or heard, the noise from motorized equipment and mechanical transport and by promoting self-reliance by minimizing structures and installations.

Affects to these four qualities must be assessed for all actions and if impacts are expected, mitigation should be discussed.

# Pre-wilderness stocking aerial stocking precedents for wilderness lakes in Montana

The following presents data for waters stocked with fish via aircraft (airplants) in wilderness areas as part of FWP's reporting requirements specified in Section F.11. of the Cooperative Agreement For Fish, Wildlife And Habitat Management On National Forest Wilderness Lands In Montana. This agreement stipulates that "MFWP will supply the USFS a list of those waters where stocking with aircraft was an established practice before wilderness designation".

A list of wilderness areas located in Montana and the dates of their respective wilderness designation is contained in the following table.

Wilderness area	Date designated
Bob Marshall	1964
Cabinet Mountains	1964
Gates of the Mountains	1964
Selway-Bitterroot	1964
Anaconda-Pintler	1964
Scapegoat	1972
Geat Bear	1978
Rattlesnake	1980
Absaroka-Beartooth	1975
Mission Mountains	1975
Welcome Creek	1978
UL Bend	1976
Medicine Lake	1976
Red Rock Lakes	1976
Lee Metcalf	1983

#### <u>Methods</u>

To establish aerial stocking precedents prior to wilderness designations, FWP's Bozeman fisheries statistics staff generated an initial list of wilderness lakes with stocking records in FWP's fish planting database. Some additional manipulation was required to insure all known wilderness waters were included in this initial list, as there is no database that lists the wilderness status of all waters in Montana. Stocking records after the date of wilderness designation for the respective wilderness in which each water resides were excluded. The remaining master list contained a list of wilderness lakes with prewilderness designation stocking records. These stocking records include such information as numbers and species of fish planted, date of stocking, and other information, but they do not include how the fish were stocked. Further investigation

was required to determine whether aircraft were used on the stock dates contained in the master list.

During the summer of 2008 a fisheries intern secured copies of hatchery activity logs, stocking reports and other records that might contain specific references to the stocking events on the master list. The intern indicated on the master list which stocking events had references that confirmed that aircraft were used and made photocopies of the documentation for these references. Where direct references could not be found, the use of aircraft was inferred if the person indicated as stocking the fish was a known FWP pilot.

A review of the stocking dates and locations of individual master list stocking records was performed by the Bozeman statistics staff and the Hatchery Bureau Chief. Stocking records temporally and spatially adjacent to stocking records that were confirmed as airplants were designated as "probable" airplants. That is, stocking records with dates in close proximity to the dates of confirmed airplants that were for waters near or within the drainage of confirmed airplants were considered to have a very high probability of having been stocked by aircraft at the same time as the confirmed airplants.

#### Findings

The results of the review of stocking records, hatchery activity logs, and FWP databases yield the results reported in the following reports. Appendix A is a list of hatchery codes and their respective hatchery. These codes appear in the attached reports and indicate the source of fish for each stocking record.

There are 376 unique waters that use airplants in FWP's Fish Stocking Plan. Some of these waters have multiple requests for fish, usually for fish of the same species but of multiple sizes. Of these 376 waters, 170 are in wilderness areas. Of these 170 aerial-stocked wilderness lakes, pre-wilderness designation aerial stocking precedents were found for 91. Aerial stocking precedents were not found for 79. Appendices B and C list the wilderness lakes with pre-wilderness designation confirmed (indicated by an "X" in the "Airplant" column) or probable (indicated by a "P" in the "Airplant" column) precedents for aerial stocking. Appendix B lists these waters alphabetically. Appendix C lists these waters by wilderness.

The 79 waters for which there are no confirmed or probable pre-wilderness aerial stocking precedents are listed in Appendices D and E. Appendix D lists these waters alphabetically while Appendix E lists them alphabetically by FWP region. Although the research completed in 2008 did not identify pre-wilderness aerial stocking precedents for these 79 waters, such precedents may exist. FWP's Fish Stocking Database and the initial list of stocking records generated for this exercise include records of stocking by hatcheries that have been abandoned by FWP. These hatcheries include the Polson, Livingston, Emigrant, Libby, Ovando, and Hamilton hatcheries. Stocking records and hatchery activity logs for these hatcheries have been archived or are no longer readily available and were not part of the 2008 research. Further research of these sources could

provide pre-wilderness aerial stocking precedents for specific waters identified as not having a precedent through this exercise.

#### Acknowledgments

I would like to acknowledge the work of Adan Cooney, Fisheries intern, who gathered the documents and performed the initial research for this project. Nancy Podolinsky provided technical assistance and supervised Adan's research. Bob McFarland and Jenny Dykstra provided technical assistance and database management, performed data queries, and provided many of the project reports.

# APPENDIX A

List of hatchery codes and their respective hatcheries

HATCHERY CODE	DESCIPTION
00	station unknown
01	Washoe Park Trout Hatchery
02	Jocko River Trout Hatchery
03	Yellowstone Rvr Trout Hatchery
04	Blue Water Spgs Trout Hatchery
05	Emigrant Hatchery - Closed
06	Giant Springs Trout Hatchery
07	Hamilton Hatchery - Closed
107 	Big Springs Trout Hatchery
Employment and the control of the co	Libby Hatchery - Closed
09	
10	McNeil Hatchery - Closed
11	Ovando Hatchery - Closed
12	Polson Hatchery - Closed
13	Flathead Lake Salmon Hatchery
14	Miles City Fish Hatchery
15	Libby Field Station Hatchery
16	Rose Creek Hatchery
17	Sekokini Springs Hatchery
20	Bozeman Fish Technology Center
21	Creston National Fish Hatchery
22	Ennis National Fish Hatchery
23	Miles City NFH Hatchery-Closed
24	Garrison Dam NFH -North Dakota
25	Gavins Point NFH -South Dakota
50	public display pond
51	Murray Springs Trout Hatchery
52	Fort Peck Hatchery
70	Aspen Springs Trout Farm
71	Bitterroot Fish Hatchery
72	Crystal Lakes Hatchery
73	Dalimata Ponds
74	Fish Forever Hatchery
75	Harriman Trout Company
76	Lick Lake Hatchery
77	Moose Lake Fish Farm
78	Nelsons Spg Creek Ranch Hatch
79	Rainbow Springs Hatchery
80	Sekokini Springs Comm Hatchery
81	Spring Creek Camp & Trout Farm
82	Spring Creek Trout Hatchery
83	Trout Haven Hatchery
84	Westslope Trout Company
Annual and the second s	Canadian source
92	research/education
93	
94	illegal or unauthorized plant
95	release from rearing ponds
96	other abandned state/fed hatch
97	out-of-state hatchery
98	montana private hatchery
99	transplants from lake/stream

# APPENDIX B

Alphabetical list of wilderness lakes with pre-wilderness designation precedents for aerial stocking

# Wilderness Plants By Water Name

Menne	RECEIL FRENT	Punt due Region Fater	Water	Strain	Species County	Count	# TELECONOMIC CONTRACTOR CONTRACT		ANDUNA	() F (() P} (P, E)
Albino Lake	03	7/28/1967 5	227126	1	013	Carbon	Absaroka-Beartooth Wilderness	erness		22
Albino Lake	03	8/10/1975 5	227126	M	013	Carbon	Absaroka-Beartooth Wilderness	d ssewer		23
Almeda Lake	ü	8/19/1969 1	088015	f	002	Flaihead	Great Bear Wilderness	×		080
Alpine Lake	03	8/17/1972 5	227143	t	013	Park	Absaroka-Bearlooth Wilderness	(erness X		22
Anvil Lake	63	7/26/1967 5	227163	ı	013	Park	Absaroka-Beartooth Wilderness	Herness X		22
Anvil Lake	03	7/23/1968 5	227163	ī	013	Park	Absaroka-Beartooth Wilderness	terness p		22
Aquanus Lake	0.3	7/28/1967 5	227168	ŧ	013	Park	Absaroka-Beartooth Wilderness	Jerness X		22
Aquanus Lake	0.3	8/27/1970 5	227168	ŧ	013	Park	Absaroka-Beartooth Wildemess	ferness		22
Arch Lake	80	8/2/1971 5	227170	ą	013	Carbon	Absaroka-Beartooth Wilderness	derness		22
Arch Lake	03	8/2/1971 5	227170	ı	0.13	Carbon	Absaroka-Beartooth Wilderness	derness P		22
Arch Lake	63	8/2/1971 5	227170	1	013	Carbon	Absaroka-Bearlooth Wilderness	derness p	~	22
Ashley (Hidden) Lak 13	<b>53</b>	8/8/1968 1	075222	j	002	Lake	Mission Mountains Tribal Wilderness	al Wilderness X		7.0
Autwuchs Lake	63	8/1/1969 5	227193	<b>\$</b>	013	Sweet Grass	Absaroka-Beartooth Wilderness	demess		22
Avalanche Lake	03	7/14/1976 3	136880	>-	013	Madison	Lee Metcall Wilderness, Taylor-hilgard Unit	, Taylor-Milgard Unit	V	6.2°
Basin Lake	63	8/4/1971 5	228877	*	013	Park	Absaroka-Beartooth Wilderness		×	22
Beauty Lake	03	7/26/1967 5	227243		013	Park	Absaroka-Beartooth Wilderness		×	22
Beauty Lake	03	7723/1968 5	227243	ę	013	Park	Absaroka-Beartooffi Wilderness		×	22
Beehive Lake	03	8/10/1966 3	097372	£	013	Madison	Lee Metcalf Wilderness, Spanish Peaks Unit		×	60
Beeliive Lake	03	7/14/1976 3	097372	<i></i>	013	Madison	Lee Metcalf Wilderness, Spanish Peaks Unit		Q.,	60

Thursday, September 11, 2008

Neme	Hutchery	Plant date Region	Water	Strain	Species	Country	Wilderness	Airplan	Draine
Beehive Lake	03	8/2/1983 3	097372	≅	013	Madison	Lee Metcalf Wilderness, Spanish Peaks Unif	Q.	60
Bergsicker Cake	13	8/19/1969 1	088070	;	002	Flathead	Great Bear Wilderness	۵.	0.8
Big Bulle Lake	23	7/30/1968 5	227249	,	013	Carbon	Absaroka-Beartooth Wilderness	×	22
Big Creek Lakes #1	02	8/11/1977 2	037325	¥	012	Ravalli	Selway-Bitterroot Wilderness	a.	03
Black Carryon Lake	63	8/4/1967 5	227280	,	013	Carbon	Absaroka-Bearlooth Wilderness	Ω.	22
Black Canyon Lake	03	8/27/1970 5	227280	*	013	Carbon	Absaroka-Beartooth Wilderness	Q.	22
Black Canyon Lake	63	8/10/1975 5	227280	M	013	Carbon	Absaroka-Beartooth Wilderness	<u>a</u>	22
Blodgett Lake	62	8/11/1977 2	037350	A	012	Ravalli	Selway-Bitterroot Wilderness	<u>a</u>	8
Stue Lake	50	9/11/1968 5	227308	1	013	Sweet Grass	Absaroka-Beartooth Wilderness	×	22
Blue Lake	03	8/5/1971 5	227308	t	013	Sweet Grass	Absaroka-Beartooth Wilderness	C.	22
Bowback Lake	03	8/27/1968 5	227313	A	013	Carthon	Absaroka-Beartooth Wilderness	×	22
Bowback Lake	63	8/12/1971 5	227313	*	013	Carbon	Absaroka-Beartooth Wilderness	۵.	22
Bradley Lake	Alexander (C.)	8/20/1969 1	088240	ı	000	Flathead	Great Bear Wilderness	×	0.8
Bramble Creek Lake 03	e 03	8/2/1965 5	227315	1	005	Sweet Grass	Absaroka-Bearlooth Wilderness	×	22
Budge Lake	03	8/25/1970 5	227330	ī	013	Park	Absaroka-Beartooth Wilderness	×	22
Bull Lake	02	8/11/1977 2	046225	⋖	012	Missoula	Rattlesnake Wilderness	×	79
Burnt Gulch Lake	03	8/25/1970 5	227385	ě	013	Sweet Grass	Absaroka-Beartooth Wilderness	×	22
Cairu Lake	03	7/24/1968 5	227392	2	013	Carbon	Absaroka-Beartooth Wilderness	No. Section	22
Canyon Lakes	20	8/11/1977 2	037525	⋖	012	Ravalli	Selway-Bitterroot Wilderness	đ	Ö
Castle Lake	<del>در</del> تری	8/19/1969 1	088280	ı	002	Flathead	Great Bear Wilderness	×	90
Cataract Lake	03	9/28/1973 3	137180	ę	013	Madison	Lee Metcalf Wilderness, Taytor-hilgard Unit	×	<b>₩</b>

S + 2 + 3 + 3 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5	A Little Property	Pun date Region Water	Water	Srain	Species	Course	PETER CFT CASA	$\{\hat{\xi}_j\}_{j=1}^{N}$	Airplant L	Draine
Cedar Lake	03	7/14/1976 3	137200	S	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	ss, Taylor-hilgard Unit P	<del></del>	2
Cedar Lake	63	8/4/1981 3	137200	Σ	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	ss, Taylor-hilgard Unit P	-	in.
Chilled Lakes	03	9/15/1970 3	097676	\$	013	Madison	Lee Metcalf Wildernes	Lee Metcalf Wilderness, Spanish Peaks Unil X	~	60
Chilled Lakes	03	0/28/1973 3	097676	,	013	Madison	Lee Metcalf Wildernes	Lee Metcaff Wilderness, Spanish Peaks Unit X		00
Cloverleaf Lakes	03	7/29/1967 5	227468	ŧ	013	Carbon	Absaroka-Beartooth Wilderness	Vilderness		52
Courthouse Lake	03	7/30/1971 5	227540	ł	013	Park	Absaroka-Beartooth Wilderness	//////////////////////////////////////		22
Cradie Lake	03	7/22/1977 3	137480	2	013	Madison	Lee Metcalf Wilderne	Lee Metcalf Wilderness, Taylor-hilgard Unit X		~~ ~~
Cradle Lake	03	8/4/1981 3	137480	M	013	Madison	Lee Metcall Wilderne	Lee Metcall Wilderness, Taylor-bilgard Unit P		***** *****
Crescent Lake	£.	9/4/1963 1	075880	ı	700	Missoula	Mission Mountains Wilderness	Aderness		07
Crystal Lake	03	8/1/1968 5	227618	ŧ	013	Carbon	Absaroka-Bearlooth Wilderness	Wilderness		22
Crystal Lake	0.3	7/31/1969 3	227616	,	013	Park	Absaroka-Beartooth Wilderness	Wilderness		22
Crystal Lake	63	7/29/1971 3	227616	į	013	Park	Absaroka-Bearlooth Wilderness	Wilderness		22
Ciystal Lake	£03	8/5/1971 3	227616	ş	013	Park	Absaroka-Beartooth Witderness	Wilderness		25
Crystal Lake	Ë	7115/1976 3	227616	R	013	Park	Absaroka-Beartooth Wilderness	Wilderness		22
Crystal Lake	02	8/11/1977 2	037725	⋖	012	Ravalli	Selway-Bitterroot Wilderness	demess P		63
Cup Lake	13	8/19/1969 1	088460	á	200	Flathead	Great Bear Wilderness	× ×		08
Dewey Lake	63	7/24/1968 5	227686	,	013	Carbon	Absaroka-Beancoth Wilderness	Wilderness		22
Diamond Lake	01	8/26/1963 3	097942	ı	100	Madison	Lee Metcalf Wildern	Lee Metcall Wilderness, Spanish Peaks Unil X		60
Diamond Lake	6	8/25/1970 5	229642	ŧ	013	Sweet Grass	Absaroka-Beartooth Wildemess	Wilderness		22
Diamond Lake	03	8/2/1983_3	097942	2	013	Madison	Lee Metcalf Wildern	Lee Metcalf Wilderness, Spanish Peaks Unit P		60
Dickey Lake	13	8/19/1969 1	088510	,	002	Flathead	Great Bear Wilderness	G.,		0.8

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17,48 2826	Wall Park	Plant date Region	11,000	Strain	Species	Connection	FFTHETA CSS	entervent istant eta titta eli tota enterja noom eta materia kontra eta eta eta eta eta eta eta eta eta et	A 1377 (2917	S) F 12 E E L L L L L L L L L L L L L L L L L
DISAPPOINTINENT LAK	The company of the co	graphs are constructed to the construction of	075960		002	Lake	Mission Mountains Tribal Wilderness	Wilderness		07
Ducharme Lake	Ö	9/23/1957 1	079420	4	002	<b>Lak</b> e	Mission Mountains Wilderness	mess		07
Oude Lake	63	8/4/1967 5	227700	ì	013	Carbon	Absaroka-Beartooth Wilderness	emess		22
Dude take	6.3	7/23/1968 5	227700	ŧ	013	Carbon	Absaroka-Beartooth Wilderness	emess p		22
Dude Lake	03	8/10/1975 5	227700	×	013	Carbon	Absaroka-Beartooth Wilderness	emess P		53
Duncan Lake	<del>~~</del>	8/8/1968 1	076080	,	005	Lake	Mission Mountains Tribal Wilderness	Wilderness P		07
East Tranquil Lake	<u>~</u>	8/19/1969 1	088537	2	002	Flathead	Great Bear Wilderness	×		08
Echo Lake	03	7/30/1971 5	227718	ı	013	Carthon	Absaroka-Beartooth Wilderness	Kerness		22
Echo Lake	03	7/30/1971 5	227718	4	013	Carbon	Absaroka-Beartooth Wilderness	derness		22
Echo Lake	5	7122/1977 3	137540	⋖	001	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	Taylor-hilgard Unit P		<del>~</del>
Edith Lake	0.0	8/19/1963 2	067752	3	100	Granite	Anaconda-Pintler Wilderness	X X		90
######################################	<u>a</u>	8/20/1969 1	088540	Å	005	Flathead	Great Bear Wilderness	×		90
Engle Peak Lake	<u></u>	8/7/1959 1	058784	ı	005	Sanders	Cabinet Mountains Wilderness	erness		0.5
Expedition Lake	0	7722/1977 3	137580	¥	001	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	Taylor-hilgard Unit P		<u>e</u>
Expedition Lake	õ	8/8/1980-3	137580	Σ	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	Taylor-hilgard Unit X		53
Farmers Lake #6	07	7/31/1972 2	069476	<b>\$</b>	012	Missoulla	Rattlesnake Wilderness	×		90
Fally Lake	2	9/23/1957 1	076300	3	005	 	Mission Mountains Wilderness	× emess		7.0
Finger Lake	S	7/14/1976 3	137620	>	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	Taylor-hilgard Unit		5
Finger Lake	03	8/4/1981 3	137620	Σ	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unif	Taylor-hilgard Unife		43
Fire Lake	03	7/31/1969 3	227860	,	013	Park	Absaroka-Beartooth Wilderness	demess p	_	22
Fire Lake	03	7/29/1971 3	227860	ş.	013	Park	Absaroka-Beartooth Wilderness	Iderness		22

Name	MAKERY	Plan date Region Water	38,43,45%	Srain	Species	CHIH	FVIIIPETIA CXS	enopa nemanoko enimoko deka o nemanoka populario dela sena dela sena dela sena dela sena dela sena dela sena d	A H.P. HARR	Druinken)
FIFE LAKE	03	7/15/1976 3	227860	2	013	Park	Absaroka-Beartooth Wilderness	ness P		22
Fistlake	<del>~</del>	7/18/1968 1	076380	ì	200	Lake	Mission Mountains Tribal Wilderness	Vildemess		0.7
Harrock Lake	03	7/23/1968 5	227921	ŀ	013	Carbon	Absaroka-Beartooth Wilderness	d ssau		22
Ffy take	0.2	7/20/1976 2	046596	⋖	012	Missoula	Rattlesnake Wilderness	×		04
Fossil Lake	03	7/29/1967 5	227924		013	Carbon	Absaroka-Bearlooth Wilderness	mess p		ČZ.
FossilLake	03	9/16/1970 5	227924	÷	013	Carbon	Absaroka-Beartooth Wildemess	mess p		22
Fossillake	69	9/25/1970 5	227924	,	013	Carbon	Absaroka-Bearlooth Wilderness	mess		22
Fossil Lake	03	8/9/1972 5	227924	,	013	Carbon	Absaroka-Beartooth Wildemess	mess P		60
Fossil Lake	<u>8</u>	7123/1977 5	227924	₹	013	Carbon	Absaroka-Beartooth Wilderness	d seas		22
Gnome Lake	63	9/28/1973 3	137635	F	013	Madison	Lee Metcalf Wilderness, Taytor-hilgard Unit	aytor-hilgard Unit X		dram Carlo
Gold Creek Lake	02	7/20/1976 2	046598	⋖	012	Missoula	Rattlesnake Wilderness	×		04
Golden Lake	03	8/1/1968 5	227987	ž	013	Carbon	Absaroka-Beartooth Wilderness	smess P		22
teat Lake	5	6/30/1960_2	046690	,	010	Powell	Scapegoal Wilderness	×		04
Heartsake	ŝ.	9/4/1963 1	076660	i	200	Missoula	Mission Mountains Wilderness	ness		0.7
Hellmaring Lakes	50	8/4/1967 5	228064	ş	0.13	Carbon	Absaroka-Beartooth Wilderness	emess		22
Helitoaring Lakes	8	7/29/1971 5	228064	•	013	Carbon	Absaroka-Bearlooth Wilderness	erness fo	_	22
Hellroaring Lakes	80	7/30/1971 5	228064	ì	013	Carbon	Absaroka-Beartooth Wilderness	emess P		22
Hendock Lake	60	8/21/1969 1	076680	;	002	Missoula	Mission Mountains Wilderness	ness		20
High Hope Lake	S	7/22/1977 3	137805	M	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	Faylor-hilgard Unit X	Ų.	<u>~</u>
High Hope Lake	0.3	8/8/1980 3	137805	W	013	Madison	Lee Metcall Wilderness, Taylor-hilgard Unil	Taylor-hilgard Unit P	n	ann Cal
Prigard Lake	03	772211977 3	137810	2	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	<b>Faytor-hilgard Unit</b> X	V	<u></u>

Marsday, September 11, 2008

Name	1 1876 PROFE	Pant due Region	Water	Strain	Species	Commy	FFHREYTHER THE CSS.	A TOTALENCE	British Bellet.
Higard Lake	03	8/8/1980 3	137810	2	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	G.	ŭ
Hopetake		8/19/1963 2	038175	ż	100	Ravalli	Anaconda-Pintler Wilderness	×	830
Horseshoe Lake	63	8/25/1970 5	228132	1	013	Sweet Grass	Absaroka-Beartooth Wilderness	×	22
Island Lake	33	9/4/1963 1	076880	3	200	Missoula	Mission Mountains Wilderness	×	07
Jasper Lake	8	8/27/1968 5	228180	1	013	Carbon	Absaroka-Beartooth Wilderness	i de	22
Jim Lake #12	60	8/21/1969 1	076970	1	002	Missoula	Mission Mountains Wilderness	La.	07
Jim Lake ≭19	60	8/21/1969 1	076975	ı	200	Missoula	Mission Mountains Wilderness	۵	07
Jim Lake #20	60	8/21/1969 1	076976	,	200	Missoula	Mission Mountains Wilderness	۵.	07
Jun Lake #6	90	8/21/1969 1	076964	ı	005	Missoula	Mission Mountains Wilderness	a.	20
Jun Lake #7	60	8/21/1969 1	076965	ı	200	Missoula	Mission Mountains Wilderness	a.	07
Jun Lake #8	60	8/21/1969 1	076966	,	200	Missoula	Mission Mountains Wilderness	۵	20
Jorden Lake	03	7/28/1967 5	228204	,	013	Carbon	Absaroka-Bearlooth Wilderness	a.	22
Kaufman Lake	80	8/25/1970 5	228225	,	013	Park	Absaroka-Bearlooth Wilderness	×	22
Kaufman Lake	63	9/16/1970 5	228225	,	013	Park	Absaroka-Beartooth Wilderness	۵.	22
Kaufman Lake	03	9/25/1970 5	228225	•	013	A SEC	Absaroka-Beartooth Wilderness	C.	22
Kertee Lake	ä	8/11/1977 2	038300	V	0.12	Ravalli	Selway-Bitterroot Wilderness	<u>a.</u>	03
Koo Koo Lake	03	8/9/1972 5	228310	ı	013	Carbon	Absaroka-Beartooth Wilderness	×	22
Lake Abundance	03	7/15/1970 5	227112	¥	013	Park	Absaroka-Beartooth Wilderness	×	22
Lake Ahundance	63	8/16/1972 5	227112	ś	013	Park	Absaroka-Beartooth Wilderness	۵	22
Lake Cameron	03	7/14/1976 3	137160	<b>W</b>	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	×	5
Lake Cameron	03	8/8/1980 3	137160	S	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	î.	33

New	Flore hery	Plant dute Region Water	1.110.4	Sirain	Species	County	FIRETICS.	гнундартуундайдүү төвий учендагай шаак изгашанилгөг өгөүй дагиясы	TEPPENTANA	I)ruimmanamanamanamanamanamanamanamanamanama
Lake Egise	03	712211977 3	137545	Z	013	Madison	Lee Metcalf Wildemess, Taylor-hilgard Unit	s, Taylor-hilgard Unit	×	13
Lake Eglise	03	8/8/1980 3	137545	*	013	Madison	Lee Metcalf Wilderness, Taylor-higard Unit	s, Taylor-hilgard Unit	a.	13
Lake Ha Hand	03	9/16/1970 3	137660	₹	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	s, Taylor-hilgard Unit	×	13
Lake Kathleen	03	8/25/1970 5	228218	i	013	Sweet Grass	Absaroka-Beanooth Wilderness	Aldemess	×	22
Lake Kamleen	03	7/29/1971 5	228218	3	013	Sweet Grass	Absaroka-Beartooth Wilderness	Aldemess	C.	22
Lake Of The Clouds 03	63	7/26/1967 5	228338	ŧ	013	Park	Absaroka-Beartooth Wilderness	Aldemess	×	22
Lake Raymond	63	8/25/1970 5	229541	f	013	Sweel Grass	Absaroka-Beartooth Wilderness	Vilderness	×	22
Leo Lake		7123/1968 5	228370	3	013	Carbon	Absaroka-Beartooth Wilderness	Vilderness	×	22
Long Lake	<del>a</del>	7/18/1968 1	077378	,	003	Lake	Mission Mountains Tribal Wilderness	bal Wilderness	×	07
i.osi i.ake	63	8/2/1965 5	228512	i	005	Carbon	Absaroka-Beartooth Wilderness	Vilderness	×	22
Lost Lake	63	7/29/1971 5	228512		013	Carbon	Absaroka-Bearlooth Wilderness	Vilderness	۵	22
Lost Lake	03	7/29/1971 5	228510	ı	013	Carbon	Absaroka-Beartooth Wilderness	Wilderness	×	22
Lost Lake	03	8/10/1975 5	228512	2	013	Carbon	Absaroka-Beartooth Wilderness	Wildemess	Q.	22
Lower Arch Creek L.	03	7/26/1971 5	228530	,	5	Carbon	Absaroka-Beartooth Wilderness	Aldemess	gre Guiller	22
Lower Arch Creek L 03	. 03	7/26/1971 5	228530	,	013	Carbon	Absaroka-Beartooff1 Wilderness	Widerness	О.	22
Lower Dudchman La 03	1 03	7122/1977 3	137890	₹	013	Madison	Lee Metcalf Wilderne	Lee Metcalf Wilderness, Taylor-hillgard Unit	×	<del>ن</del> ښ
Lower Dutchman La	a 03	8/8/1980 3	137890	Z	013	Madison	Lee Metcalf Wilderne	Lee Metcalf Wilderness, Taylor-hilgard Unit	۵	dang dang
Lower Phyllis Lake	6	8/19/1963 2	068569	, CD	002	Gramite	Anaconda-Pintler Wikterness	klerness	×	90
Lucifer Lake	gan.	7/17/1968 1	077620		002	Lake	Mission Mountains Tribal Wilderness	nbal Wilderness	2.	20
Margarel Lake	03	8/9/1972 5	228582	٠	013	Park	Absaroka-Beartooth Wilderness	Wilderness	×	22
Margo Lake	ô	9/15/1970 3	098986	, Q	013	Madison	Lee Metcalf Wildern	Lee Metcalf Wilderness, Spanish Peaks Unit	×	60

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Num	Huicher	Mins date Region Water	10111	Strain	Species	CHHH)	TVIII CTI CSS	Section 1650 on their fewer to be preparate special and special and the section of the section o	A I V D Les XX.	Draken Ce
Margo Lake	63	9/28/1973 3	098986	ŗ	013	Madison	Lee Metcalf Wilderness, Spanish Peaks Unit	mish Peaks Unit P		60
Margo Lake	03	8/28/1978 3	098986	M	013	Madison	Lee Metcalf Wilderness, Spanish Peaks Unit	msh Peaks Unit P		60
Marker Lake	03	8/9/1972 5	229576	ı	013	Carbon	Absaroka-Bearlooth Wilderness	×		22
Martes Lake	23	8/1/1969 5	228590	,	013	Sweet Grass	Absaroka-Bearlooth Wilderness	ess		22
Medicine Lake	5	8/2/1971 \$	228638	į.	013	Carbon	Absarcka-Beartooth Wilderness	ess		22
Medicare Lake	0.3	8/4/1971 5	228638	4	013	Carbon	Absaroka-Beartooth Wilderness	d sse	_	22
Medicine Lake	0.3	8/4/1971 5	228638	i	013	Carbon	Absaroka-Beartooth Wilderness	less P		7.7
Mothnan Lake #1	<del>Č</del>	8/8/1968 1	0777900	3	200	Missoula	Mission Mountains Wilderness	×		7.0
Moliman Lake #1	₩ \$\tag{\tau}	8/8/1968 1	0777900	,	005	Missoula	Mission Mountains Wilderness	× × × × × × × × × × × × × × × × × × ×		0.7
Moon Lake	03	8/1/1969 5	228708	1	013	Carbon	Absaroka-Beartooth Wilderness	d ssa	^	22
Moon Lake	60	8/9/1972 5	228708		013	Carbon	Absaroka-Bearlooth Wilderness	p b	^	22
Moon Lake	63	8/10/1975 5	228708	Z	013	Carbon	Absaroka-Beartooth Wilderness	d	•	22
Moose Lake	<del></del>	8/19/1969 1	089260	ŧ	005	Flathead	Great Bear Wilderness		۵	0.8
Mountain Goal Lake 03	÷ 03	8/1/1969 5	228739	ž	013	Cartton	Absaroka-Beartooth Wilderness	X X X	Ų.	22
Mountain Sheep Lak 03	k 83	8/1/1969 5	228740	ı	013	Carbon	Absaroka-Beartooth Wilderness		×	22
Mouse Lake	83	8/25/1970 5	229545	ξ	013	Sweet Grass	Absaroka-Beartooth Wilderness		×	22
Mud Lake #1	<u></u>	8/8/1968 1	078020	;	0.02	Lake	Mission Mountains Tribal Wilderness		×	20
No Man Lake	03	8/12/1971 3	138080	,	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit		×	<b>₹</b>
No Man Lake	S	7/14/1976 3	138080	>-	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit		Q.	2
No Man Lake	03	8/4/1981 3	138080	M	013	Madison	Lee Metcall Wilderness. Taylor-hilgard Unit		a_	<u>ب</u> س
North Spantsh Lake 03	÷ 03	9/15/1970 3	099139	1	013	Madison	Lee Metcalf Wilderness, Spanish Peaks Umt		×	50

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Name	FREE CALLY.	Punt dine Regions	\$\$ {3} £7.	Srain	Species Court	County	onesperaegeneenseminensemenseminensemannensemperaegen en seminensemannensemperaegen seminensemperaegen seminen	entantes menotomo en procesa esta por esta de la composición del composición de la c	ALTHUMAN	P. C. C. C. D. C.
Ouzel Lake	03	8/5/1971 5	228840	ì	013	Carbon	Absaroka-Beartooth Wilderness	×		22
Pablo Lake	dune C.J.	8/8/1968 1	078155	1	002	Lake	Mission Mountains Tribal Wilderness	lerness X		07
Painted Lake	03	9/28/1973 3	138140	÷	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	or-hilgard Unit		13
Pamled Lake	S	8/28/1978 3	138140	×	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	or-bilgard Unit	~	
Panned Lake	03	8/4/1981 3	138140	Ž.	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	or-hilgard Unit 19		~
Papoose Lake	03	7722M977 3	138150	⋧	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	or-hilgard Unit		2444 (AL)
Papoose Lake	03	8/8/1980 3	138150	\$	013	Madison	Lee Metcall Wilderness, Taylor-hilgard Unit		α.	<b>~</b>
PoartLake	02	8/11/11977 2	038800	⋖	012	Ravalli	Setway-Bitterroot Wilderness		۵	03
Picture Lake	dens Sprige	8/8/1968 1	078260		200	Lake	Mission Mountains Tribal Wilderness		۵.	0.7
Pine Creek Lake	03	8/25/1970 3	228904	ŧ	013	Park	Absaroka-Beartooth Wilderness		×	22
Pine Creek Lake	03	7/15/1976 3	228904	Z	013	Park	Absaroka-Beartooth Wilderness		Q.	22
Piper Lake	Sur S.J.	9/23/1957 1	077580	4	200	Lake	Mission Mountains Wilderness		а.	07
Rainbow Lake	5	7122H977 3	138870	⋖	100	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit		ā.	13
RamLake	83	8/10/1975 5	228968	M	013	Stillwater	Absaroka-Beartooth Wilderness		×	22
Ramona Lake	03	9/15/1970 3	138200	g	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit		×	భ
Ramona Lake	03	9/28/1973 3	138200	9	913	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit		C.	8.2 6.3
Rallesnake Lake #3_02	20 8	7/31/1972 2	067505	ŧ	012	Missoula	Rattesnake Wilderness		×	90
Rattesnake Lakes	0.5	9/8/1968 2	047190	₹	012	Missoula	Rattesnake Wilderness		×	104
Rock Island Lake	633	7/29/1967 5	229030	č	013	Park	Absaroka-Beartooth Wilderness		<u>a</u>	22
Rock Island Lake	03	8/4/1967 5	229030	,	013	Park	Absaroka-Beartooth Wilderness		<u>a</u>	22
Rock Island Lake	03	7/24/1968 5	229030	1	013	Park	Absaroka-Beartooth Wilderness		۵	22

Miss	Hatchery	Plant date Region Water	Water	Stain	Species County	( OHHE	FTHLOTHESS.	es de mandado que proceso que que populações de proceso para espana espana de mandado mentra esta de mandado m T	A I I J J J / L I I I	WWW. Commence of the Commence
ROCK ISLAND Lake	03	8/27/1970 5	229030	ī	013	Park	Absaroka-Beartooth Wilderness	lderness P	_	22
Rock Island Lake	03	8/9/1972 5	229030	4	013	Park	Absaroka-Bearlooth Wilderness	lderness P	_	22
Rock Island Lake	03	7123/1977 5	229030	N	013	Park	Absaroka-Beartooth Wildemess		<b>Q.</b>	22
Rock Tree Lake	03	7123/1968 5	229033	ι	013	Carbon	Absaroka-Beartooth Wilderness		×	22
Sanders Lake	02	8/11/1977 2	069139	4	012	Missouta	Rattlesnake Wildemess		<u>a</u> .	98
Senielem Lake	<u>~</u>	7/17/1968 1	078590	ì	200	Lake	Mission Mountains Tribal Wilderness		×	10
Sourdough Lake	83	7/26/1967 5	229330	ı	013	The C	Absaroka-Bearlooth Wilderness		×	22
South Crow Creek L.	<u></u>	8/8/1968 1	078752	į	200	Lake	Mission Mountains Tribal Wilderness		×	20
South Crow Creek L.	<del>(</del>	8/8/1968 1	078754	,	700	Lake	Mission Mountains Tribal Wilderness		G.	0.7
South Fork Lake	02	8/11/1977 2	039150	A	012	Ravalli	Selway-Bitterroof Wilderness		Q.	03
South Fork Loto Lak	02	7/34/1972 2	039175	ł	012	Ravalli	Selway-Bitterrool Wilderness		a.	03
Spanish Lakes	03	8/2/1983 3	099424	~	20	Madison	Lee Metcall Wildernes	Lee Metcall Wilderness, Spanish Peaks Unit	×	60
Squeeze Lake	03	8/25/1970 5	229544	t	013	Sweet Grass	Absaroka-Beartooth Wilderness	Alderness	×	22
Sunum Lake	13	7/18/1968 1	078970	ı	002	Lake	Mission Mountains Tribal Wilderness	bal Wilderness	Ω_	1.0
Sunken Rock Lake	2	8/1/1969 5	229590	,	013	Sweet Grass	Absaroka-Beartooth Wilderness	Mderness	×	22
Sunset Lake	03	9/16/1970 3	138540	;	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	s, Taylor-hilgard Unit	×	5
Surprise Lake	03	7/23/1968 5	229582	ı	013	Park	Absaroka-Bearlooth Wilderness	Vilderness	×	22
Swamp Lake	03	7726/1967 5	229385	,	013	Park	Absaroka-Beartooth Wilderness	Vildemess	×	22
Swamp Lake	03	8/27/1970 5	229385	1	013	Park	Absaroka-Beartooth Wilderness	Vildemess	۵.	22
Ferrace Lake	~	7/18/1968 1	078751	4	200	Lake	Mission Mountains Tribal Wilderness	ibal Wilderness	Ç.	0.7
Transe Lake	0.3	8/1/1969 5	229489	\$	013	Carbon	Absaroka-Bearlooth Wilderness	Miderness	×	23.3

Num	* * LEXCHETT	Plan date Region Water	Water.	Strain	Species County	(MANE)	\$ 7 THE COTTON STANSON	не под применя в под применя под применя в под применя	4117101111	Drainean
Trangle Lake	0.3	8/5/1971 5	229487	ŧ	013	Carbon	Absaroka-Beartooth Wilderness	Vilderness	۵.	22
Tumble Lake	63	8/1/1968 5	229510	i	013	Stillwater	Absaroka-Bearlooth Wilderness	Vilderness	×	22
Tunnel Creek Lake	<u>n</u>	8/19/1969 1	089935	ş	700	Hathead	Great Bear Wilderness	\$1	۵	0.8
Umained Lake	03	8/27/1970 5	229547	ş	013	Park	Absaroka-Bearboth Wilderness	Miderness	×	22
Umamed Lake	03	7/26/1971 5	229547	í	013	Park	Absaroka-Beartooth Wilderness	Wilderness	ā.	52
Upper Aero Lake	03	8/2/1969 5	229618	ı	013	Park	Absaroka-Beartooth Wilderness	Wilderness	۵	22
Upper Dutchman La	03	7/22/1977 3	138860	Z	013	Madison	Lee Metcalf Wilderne	Lee Metcalf Wilderness, Taylor-hilgard Unit	×	ing ing
Upper Dutchman La	03	8/8/1980 3	138860	×	013	Madison	Lee Metcalf Wilderne	Lee Metcalf Wilderness, Taylor-hilgard Unit	a.	£
Upper Sheep Creek	£	8/19/1969 1	089957	ı	000	Flathead	Great Bear Wilderness	<i>\$</i> }	٩	90
Upper Twin Lake	03	8/15/1969_2	047530	,	013	Lewis and Clar	Scapegoat Wilderness	ý	×	64
Wedge Lake		7122/1977 3	138975	Ą	001	Madison	Lee Metcalf Wilderne	Lee Metcalf Wilderness, Taylor-higard Unit	2	13
Wedge Lake	63	8/4/1981 3	138975	N	013	Madison	Lee Metcalf Wilderns	Lee Metcalf Wilderness, Taylor-hilgard Unit	×	£
West Boulder River	80	7/31/1967 5	226552	1	001	Sweet Grass	Absaroka-Beartooth Milderness	Wilderness	a.	22
West Trampul Lake	<b>₩</b>	8/19/1969 1	089965	,	002	Flathead	Great Bear Wilderness	S2	×	80
Worden Lake	0.5	7/31/1972 2	069480	1	012	Missoula	Rattlesnake Wilderness	\$888	×	90
Wrong Lake	80	8/27/1970 5	229831	,	013	Park	Absaroka-Bearlooth Wilderness	Wilderness	×	22
Yellowstone River D	03	8/1/1968 5	227428	ř	013	Carbon	Absaroka-Beartooth Mitderness	Miderness	C	22
Zimmer Lake	03	8/4/1967 3	229842	+	013	Park	Absaroka-Beartooth Wilderness	Wilderness	×	22
Zinmei Lake	0.3	8/1/1968 3	229842	ŧ	013	Pack	Absaroka-Beartooth Wildemess	Wildemess	۵.	22

### APPENDIX C

Wilderness lakes with pre-wilderness designation precedents for aerial stocking listed by wilderness area

## Willemess Plants By Wildemess Area

V (1833).	Harchery	Marchery Phun date Region Water	8	Strain	Strain Species County	C. 1938 91 1V. mnomentamentamentamentamentamentamentamenta	FFILLETTECSS	жаң октанда жайын жа	AITZHAHA	Draws
Absaro	Za-Dest	Absaroka-Beartooth Wilder	o o e e e e e e e e e e e e e e e e e e							
Altimo Lake	03	7/28/1967 5	227126	4	013	Carbon	Absaroka-Beartooth Wilderness	Vilderness	Ċ.	22
Atbino Lake	03	8/10/1975 5	227126	2	013	Carbon	Absaroka-Beartooth Wilderness	Vilderness	۵	22
Apme Lake	03	8/17/1972 5	227143	ş	013	Park	Absaroka-Beartooth Wilderness	Vilderness	×	22
Arwil Lake	03	7/26/1967 5	227163	ř	013	Park	Absaroka-Bearwoth Milderness	Milderness	×	22
Anvil Lake	8	7/23/1968 5	227163	Ĺ	013	Park	Absaroka-Beartooth Wilderness	Miderness	<u>م</u>	22
Aquarius Lake	03	7/28/1967 5	227168	ı	013	Park	Absaroka-Beartooth Wilderness	Wildenbess	×	22
Aquarius Lake	03	8/27/1970 5	227168	;	013	Perk	Absaroka-Beartooth Wikterness	Allderness	×	22
Arch Lake	63	8/2/1971 5	227170	ą	013	Carbon	Absaroka-Beartooth Wilderness	Wilderness	a.	22
Arch Lake	03	8/2/1971 5	227170	t	013	Carbon	Absaroka-Beartooth Wilderness	Wilderness	۵.	22
Arch Lake	03	8/2/1971 5	227170	t	013	Carbon	Absaroka-Beartooth Wilderness	Wilderness	۵	22
Autwuchs Lake	03	8/1/1969 5	227193	,	013	Sweet Grass	Absaroka-Beartooth Mildemess	Wilderness	×	22
Basin Lake	63	8/4/1971 5	228877	ą.	013	Park	Absaroka-Beartooth Wilderness	Wilderness	×	23
Beauty Lake	03	7/26/1967 5	227243	t	013	Park	Absaroka-Bearlooth Milderness	Wilderness	×	22
Beauty Lake	63	7/23/1968 5	227243	1	013	Park	Absaroka-Beartoom Wilderness	Wilderness	×	22
Big Bine Lake	6.3	7/30/1968 5	227249	ŧ	013	Carbon	Absaroka-Beadooth Wilderness	Wilderness	×	5.2
Black Canyon Lake	8	8/4/1967 5	227280	ş	013	Carbon	Absaroka-Beartooth Wilderness	Wilderness	Œ.	2.2
Black Canyon Lake	60	8/27/1970 \$	227280	ŧ	013	Carbon	Absaroka-Beartooth Wilderness	Wilderness	a.	22

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Name	Harchery	Plun date Region	Wuley	Strain	Species	County	FF TELETRICAL STATES ST	emplyckámnick (nozámorovenniem proběje sojově plaky jednoste nej serakove proběje jednoste nej serakove proběj	\$ 1877 437 E	Drightly.
Black Canyon Lake	03	8/10/1975 5	227280	M	013	Carbon	Absaroka-Beartooth Wilderness	ilderness	5	22
Bhie Lake	03	9/11/1968 5	227308	ś	013	Sweet Grass	Absaroka-Beartooth Wilderness	lidemess	×	22
The Lake	03	8/5/1971 5	227308	\$	013	Sweet Grass	Absaroka-Beartooth Wilderness	Ildemess	۵	22
Bowback Lake	03	8/27/1968 5	227313	3	013	Carbon	Absaroka-Beartooth Wilderness	Merness	 ×	22
Вомбаск Lake	03	8/12/1971 5	227313	;	013	Carbon	Absaroka-Beartooth Wilderness	Aderness	۵	22
Brantile Creek Lake 03	, 03	8/2/1965 5	227315	ı	005	Sweet Grass	Absaroka-Beartooth Wilderness	fiderness	×	22
Bridge Lake	63	8/25/1970 5	227330		013	Park	Absaroka-Beartooth Wilderness	Aldemess	×	2.2
Burn Guich Lake	03	8/25/1970 5	227385		013	Sweet Grass	Absaroka-Beartooth Wilderness	Ademess	×	22
Cam Lake	03	7/24/1968 5	227392	,	013	Carbon	Absaroka-Beartooth Wilderness	Aldemess	۵.	22
Cloverleaf Lakes	03	7/29/1967 5	227468	ı	013	Carbon	Absaroka-Beadooth Wilderness	/Idemess	×	22
Counthouse Lake	63	7/30/1971 5	227540	ş	013	Park	Absaroka-Beartooth Wilderness	Mderness	*	22
Crystal Lake	03	8/1/1968 5	227618	,	013	Carbon	Absaroka-Beartooth Wilderness	Videmess	×	22
Crystal Lake	. 50	7/31/1969 3	227616	r	013	Park	Absaroka-Beartooth Wilderness	Vilderness	G.	22
Crystal Lake	8	7/29/1971 3	227616	,	013	yar.	Absaroka-Beartooth Wilderness	Viderness	đ	22
Grystal Lake	03	8/5/1971 3	227616	1	013	Ž.	Absaroka-Beartooth Wildemess	Vilderness	Q.	22
Crystal Lake	63	7115/1976 3	227616	2	013	Park	Absaroka-Beartooth Wilderness	Vilderness	Ç.	2.2
Dewey Lake	8	7/24/1968 5	227686	3	013	Carbon	Absaroka-Beartooth Wilderness	Vildemess	×	22
Diamond Lake	03	8/25/1970 5	229542	ŧ	013	Sweet Grass	Absaroka-Bearlooth Wilderness	Vilderness	×	22
Oude Lake	03	8/4/1967 5	227700	ŧ	013	Carbon	Absaroka-Beartooth Wildemess	Vildemess	×	22
Oude Lake	8	7/23/1968 5	227700	ş	013	Carbon	Absaroka-Beartooth Wilderness	Vilderness	a.	22
Dude Lake	03	8/10/1975 5	227700	٤	013	Carbon	Absaroka-Bearlooth Wilderness	Miderness	CL.	88

VERY E	KRKTROFY	3941114 dette Region 38'111EF	Water	Srain	Species	CORRES	WILL CFIRESS	ранио-у <sub>уч</sub> андей дарогорария (уграний компания) на техности.	A Trystanovaman	Draine
Echo Lake	63	7/30/1971 5	227718	ŧ	013	Carbon	Absaroka-Beanoolh Wilderness	Vilderness	×	22
Echo Lake	8	7/30/1971 5	227718	F	013	Carbon	Absaroka-Beartooth Wilderness	Vilderness	×	22
Fire Lake	8	7/31/1969 3	227860	,	013	Park	Absaroka-Beartooth Wilderness	Wilderness	a.	22
Fire Lake	03	7729/1971 3	227860	2.	013	Park	Absaroka-Beartooth Wilderness	Miderness	×	23
Fire Lake	03	7/15/1976 3	227860	Ñ	013	Park	Absaroka-Beartooth Wilderness	Widerness	۵	22
Flatrock Lake	0.3	7/23/1968 5	227921	,	013	Carbon	Absaroka-Beartooth Wilderness	Alidemess	Q.	22
Fossil Lake	03	7/29/1967 5	227924	ŧ	e	Carbon	Absaroka-Beartooth Wilderness	Wilderness	<u>a</u>	22
Fossil Lake	03	9/16/1970 5	227924	s	013	Carbon	Absaroka-Beartooth Wilderness	Afiderness	a.	22
Fossil Lake	03	9/25/1970 5	227924	3	013	Carbon	Absaroka-Beartooth Wilderness	Wilderness	Ç.,	22
Fossil Lake	03	8/9/1972 5	227924	,	0.13	Carbon	Absaroka-Beartooth Wilderness	Miderness	Œ.	22
Fossillake	63	7/23/1977 5	227924	Ž	013	Carbon	Absaroka-Beartooth Wilderness	Milderness	a.	22
Golden Lake	50	8/1/1968 5	227987	;	013	Carbon	Absaroka-Beartooth Wilderness	Miderness	Δ.	22
Helhoanig Lakes	63	8/4/1967 5	228064	1	013	Carbon	Absaroka-Beartooth Wilderness	Widemess	×	22
Heliroanng Lakes	53	7/29/1971 5	228064	ş	013	Carbon	Absaroka-Beartooth Wilderness	Wilderness	۵.	22
Hellroaring Lakes	03	7/30/1971 5	228064	4	013	Carbon	Absaroka-Beartooth Wilderness	Wikderness	۵.	22
Horseshoe Lake	8	8/25/1970 5	228132	\$	013	Sweet Grass	Absaroka-Beartooth Wilderness	Wilderness	×	22
Jasper Lake	69	8/27/1968 5	228180	t	013	Carbon	Absaroka-Beartooth Wilderness	Wilderness	a.	22
Jorden Lake	03	7/28/1967 5	228204	ţ	013	Carbon	Absaroka-Beartooth Milderness	Wilderness	Ū	22
Kauman Lake	03	8/25/1970 5	228225	ż	933	Alec Alec	Absaroka-Beartooth Milderness	Wilderness	×	22
Kaufman Lake	63	9/16/1970 5	228225	į	013	Park	Absaroka-Beartooth Milderness	Wilderness	۵	22
Kauman Lake	03	9/25/1970 5	228225	,	013	Park	Absaroka-Beartooth Wilderness	Widemess	٩	22

Name	Hurchery	Pun date Region Water	Water	Strain	Species	County	FILLETTYLESS	A STATE OF THE STA	SYPHANI Commencement	Drating Rage
Koo Koo Lake	03	8/9/1972 5	228310	3	013	Carbon	Absaroka-Beartooth Wilderness	ness ×		22
Lake Abundance	03	7/15/1970 5	227112		013	Park	Absaroka-Beartooth Wilderness	ress X		22
Lake Abundance	03	8/16/1972 5	227112	Ł	013	Park	Absaroka-Beartooth Wilderness	d ssau		22
Lake Kathteen	03	8/25/1970 5	228218	1	013	Sweet Grass	Absaroka-Beartooth Wildemess	ress		22
Lake Kathleen	03	7/29/1971 5	228218	ŧ	013	Sweet Grass	Absaroka-Beartooth Wilderness	ness P		22
Lake Of The Clouds	03	7/26/1967 5	228338	t	013	Park	Absaroka-Beartooth Wildemess	ness		22
Lake Raymond	03	8/25/1970 5	229641	1	013	Sweet Grass	Absaroka-Beartooth Wilderness	ness ×		22
Leo Lake	03	7/23/1968 5	228370	ī	013	Carbon	Absaroka-Beartouth Wilderness	ness		22
LostLake	03	8/2/1965 5	228512	ι	200	Carbon	Absaroka-Beartooth Wilderness	ness		22
Lost Lake	8	7/29/1971 5	228510		013	Carbon	Absaroka-Beartooth Wilderness	ness X		22
Lost Lake	03	7/29/1971 5	228512	,	013	Carbon	Absaroka-Beartooth Wilderness	ness P		22
Lost Lake	63	8/10/1975 5	228512	2	013	Carbon	Absaroka-Beartooth Wilderness	ness P		22
Lower Arch Creek L	63	7/26/1971 \$	228530	ŀ	013	Carbon	Absaroka-Beartooth Wilderness	ness p		22
Lower Arch Creek L	53	7/26/1971 5	228530	ť	013	Carbon	Absaroka-Bearlooth Wilderness	d ssau		22
Margaret Lake	03	8/9/1972 5	228582	1	613	Park	Absaroka-Beartooth Wilderness	mess		22
Marker Lake	5	8/9/1972 5	229576	3	013	Carbon	Absaroka-Beartooth Wilderness	mess		22
Martes Lake	03	8/1/1969 5	228590	t	013	Sweet Grass	Absaroka-Beartooth Wilderness	rness		22
Medicine Lake	6.0	812/1971 \$	228638	å	013	Carbon	Absaroka-Beartooth Wildemess	mess		22
Medicine Lake	63	8/4/1971 5	228638	4	013	Carbon	Absaroka-Beartooth Wilderness	mess p		22
Medicine Lake	03	8/4/1971 5	228638	,	013	Carbon	Absaroka-Beartooth Wilderness	mess p		22
Moon Lake	50	8/1/1969 5	228708	,	0.13	Carbon	Absaroka-Bearlooth Villderness	mess p		22

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Withe	19. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Plant date Region	Warer	Strain	Species	L'ALLINE.	ТТИСТИВЕХ.	Campoon of the state of the sta	Drujny
MOON Lake	03	8/9/1972 5	228708	5	013	Carbon	Absaroka-Beartooth Wilderness	C.	22
Moon Lake	B	8/10/1975 5	228708	₩.	013	Carbon	Absaroka-Beartooth Wilderness	O.	22
Mountain Goal Lake 03	63	8/1/1969 5	228739	ŧ	013	Carbon	Absaroka-Beartooth Wilderness	×	22
Mountain Sheep Lak 03	03	871/1969 5	228740	3	013	Carbon	Absaroka-Bearlooth Wilderness	×	22
Mouse Lake	03	8/25/1970 5	229545	,	013	Sweet Grass	Absaroka-Beartooth Wilderness	×	22
Ouzel Lake	03	8/5/1071 5	228840	ı	013	Carbon	Absaroka-Beartooth Wilderness	×	22
Pine Creek Lake	03	8/25/1970 3	228904	ŧ	013	Park	Absaroka-Beartooth Wilderness	× 552	22
Pine Creek Lake	03	7/15/1976 3	228904	Z	013	Park	Absaroka-Bearlooth Wilderness	a.	22
Kam Lake	03	8/10/1975 5	228968	<b>Ž</b>	013	Stillwater	Absaroka-Beartooth Wilderness	×	22
Rock Island Lake	63	7/29/1967 5	229030	,	013	Park	Absaroka-Beartooth Wilderness	IL Si	22
Rock Island Lake	03	8/4/1967 5	229030	1	013	Park	Absaroka-Beartooth Wilderness	G. 85	22
Rock Island Lake	0.3	7/24/1968 5	229030		013	Park	Absaroka-Beartooth Wildemess	C SS	22
Rock Island Lake	03	8/27/1970 5	229030	,	0.13	Park	Absaroka-Beartooth Wilderness	SS	22
Rock Island Lake	03	8/9/1972 5	229030	4	013	Park	Absaroka-Beartooth Wilderness	G.	22
Rock Island Lake	63	7123/1977 5	229030	Σ	013	Park	Absaroka-Beartooth Milderness	G.	22
Rock Tree Lake	03	7/23/1968 5	229033	,	013	Carbon	Absaroka-Beartooth Wilderness	× × ss	22
Sourdough Lake	S	5 79611967	229330	,	013	Park	Absaroka-Beartooth Wilderness	× .	22
Squeeze Lake	63	8/25/1970 5	229544	1	013	Sweet Grass	Absaroka-Beartooth Wilderness	× × \$8	22
Sunken Rock Lake	03	8/1/1969 5	229590	*	013	Sweet Grass	Absaroka-Beartooth Wilderness	SS. X	22
Suprise Lake	55	7/23/1968 5	229582	;	013	Park	Absaroka-Bearrooth Wilderness	× × ×	22
Swamp Lake	03	7/26/1967 5	229385	ı	013	Park	Absaroka-Beartooth Wilderness	×	22

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Name.	X # 68 E 4. XX 4.8. Y.	Plant date Region Water	1019	Sirain	Species	(188849)	\$1/1R2CTHCSS	no proposa a meneral del del del del del del del del del de	Airplast &	I) V (II) VII (! L'
SWAIIID Lake	()3	8/27/1970 5	229385		013	Park	Absaroka-Bearlooth Wilderness	d sse	22	2
Triangle Lake	03	8/1/1969 5	229480	í	013	Carbon	Absaroka-Beartooth Wilderness	ess ×	22	2
Triangle Lake	03	8/5/1971 5	229487	:	013	Carbon	Absaroka-Bearlooth Wilderness	d ssa	22	2
Tumble Lake	23	8/1/1968 5	229510	1	013	Stiffwater	Absaroka-Bearlooth Wilderness	X X	22	63
Unuamed Lake	03	8/27/1970 5	229547	ź	013	Pack	Absaroka-Bearlooth Wilderness	ress ×	C.	22
Unnamed Lake	03	7/26/1971 5	229547	3	013	Park	Absaroka-Beartooth Wildemess	ess e	€4	22
Upper Aero Lake	0.3	8/2/1969 5	229618	3	013	Park	Absaroka-Beartooth Wilderness	d ssət	<i>₹</i> /4	22
West Boulder River	08	7/31/1967 5	226552	4	100	Sweet Grass	Absaroka-Beartooth Wilderness	d ssa	€23	22
Wrong Lake	03	8/27/1970 5	229831	ş	013	Park	Absaroka-Bearlooth Wilderness	ness ×	<i>(</i> 2)	22
Yellowstone River D	S	8/1/1968 5	227428	3	013	Carbon	Absaroka-Beartooth Wildemess	ness f	24	22
Zinniner Lake	63	8/4/1967 3	229842	ı	013	Park	Absaroka-Beartooth Wilderness	ness ×	54	22
Zimmer Lake	(3)	8/1/1968 3	229842	1	013	Park	Absaroka-Beartooth Wilderness	ess P	î.d	22
Z Taco		Anaconda-Pintler Wilderness	V)							
Edith Lake	0	8/19/1963 2	067752	ì	001	Granite	Anaconda-Pintler Wilderness	×	0	90
Hope Lake	50	8/19/1963 2	038175	4	100	Ravalli	Anaconda-Pintler Wilderness	×	*~~	03
Lower Phyllis Lake	0.1	8/19/1963 2	068569	1	005	Granite	Anaconda-Pintler Wilderness	× ×	<u> </u>	90
	5	Cabinet Mountains Wilderness	() () ()							
Engle Peak Lake	4m-	8/7/1959 1	058784	F	002	Sanders	Cabinet Mountains Wilderness	ess ×		0.5
0		Great Bear Wilderness								
Almeda Lake	ilina. Secul	8/19/1969 1	088015	f	002	Flathead	Greal Bear Wilderness	×		08

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Name	1.6.721.72.19	Plan date Region Willer	W. H.C.F	Strain	Species	County	Willermen	A 17 Th The Control of the Control o	I Veril Nally
Sergskker Lake	один солот пред пред пред пред пред пред пред пред	(19/19/1969 1	088070	ž.	002	Flathead	Great Bear Wilderness	a.	0.8
Bradley Lake	ins insign	8/20/1969 1	088240	á	002	Flathead	Great Bear Wilderness	×	0.8
Castle Lake	13	8/19/1969 1	088280	1	002	Flathead	Great Bear Wilderness	×	08
Oup take	<u>ವ</u>	8/19/1969 1	088460	,	002	Flathead	Great Bear Wilderness	×	08
Dickey Lake	<u> </u>	8/19/1969 1	088510	ì	002	Flathead	Great Bear Wilderness	E. S	08
East Tranquil Lake	Ann T.J.	8/19/1969 1	088537	ŧ	200	Flathead	Great Bear Wildemess	×	98
Elk Lake	<u>~</u>	8/20/1969 1	088540		005	Flathead	Great Bear Wilderness	×	<b>%</b>
Moose Lake	American Sales	8/19/1969 1	089260	,	002	Flathead	Great Bear Wilderness	e.	0.8
Tunnel Creek Lake	Ç	8/19/1969 1	089935	1	002	Flathead	Greal Bear Wildemess	G.	0.8
Upper Sheep Creek	for the	8/19/1969 1	089957	,	002	Flathead	Great Bear Wilderness	C.	90
West Tranquit Lake	13	8/19/1969 1	089965	1	002	Flathead	Great Bear Wilderness	× ×	80
	3 20 2	Lee Metcalf Wilderness, Sp	2. 2. 2.	ф О	Spanish Peaks Unit	-			
Beehive Lake	S	8/10/1966 3	097372	1	013	Madison	Lee Metcall Wilderne	Lee Metcall Wilderness, Spanish Peaks Unit X	600
Beehive Lake	63	7/14/1976 3	097372	Z	013	Madison	Lee Metcalf Wilderne	Lee Metcalf Wilderness, Spanish Peaks Unit P	60
Beenive Lake	63	8/2/1983 3	097372	×	013	Madison	Lee Melcalf Wildeme	Lee Metcalf Wilderness, Spanish Peaks Unit P	60
Chilled Lakes	03	9/15/1970 3	097676	1	013	Madison	Lee Melcall Wildeme	Lee Metcalf Wilderness, Spanish Peaks Unit X	60
Chilled Lakes	6	9/28/1973 3	097676	ŧ	013	Madison	Lee Metcalf Wildern	Lee Metcalf Wilderness, Spanish Peaks Unit X	60
Diamond Lake	0	8/26/1963 3	097942	t	100	Madison	Lee Metcall Wilderne	Lee Metcall Wilderness, Spanish Peaks Unil X	60
Diamond Lake	03	8/2/1983 3	097942	N	013	Madison	Lee Metcalf Wikdern	Lee Metcalf Wilderness, Spanish Peaks Unit P	60
Margo Lake	03	9/15/1970 3	098986	1	013	Madison	Lee Metcalf Wildern	Lee Metcalf Wilderness, Spanish Peaks Unit X	60
Margo Lake	03	9/28/1973 3	098986	ì	013	Madison	Lee Metcalf Wildern	Lee Metcalf Wilderness, Spanish Peaks Unif P	60

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Margo Lake	03	8/28/1978 3	098986	S	013	Madison	Lee Metcalf Wilderness, Spanish Peaks Unit	panish Peaks Unit	۵	60
North Syanish Lake 03	ã	9/15/1970 3	0000139		013	Madison	Lee Metcall Wilderness, Spanish Peaks Unit	Danish Peaks Unit	×	60
Spanish Lakes	60	8/2/1983 3	099424	***	013	Madison	Lee Metcalf Wilderness, Spanish Peaks Unit	namish Peaks Unit	×	8
2001	Lee Wetcar Wilderne	Ś	Ş	aylor-nigard Unit	2000					
Avalanche Lake	03	7/14/1976 3	136880	>-	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	aylor-hilgard Unit	×	13
Calaract Lake	S	9/28/1973 3	137180	4	013	Madison	Lee Metcalf Wilderness, Taylor-bilgard Unit	aylor-hilgard Unit	×	~
Cedar Lake	03	7/14/1976 3	137200	W	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Und	aylor-hilgard Unit	<u>Q</u>	Ann. Sail
Cedar Lake	03	8/4/1981 3	137200	×	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	aylor-hilgard Unit	۵	~
Cradle Lake	8	772211977 3	137480	W	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	aylor-hilgard Unix	×	<del>1</del> 2
Crade Lake	03	8/4/1981 3	137480	Z	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	aylor-hilgard Unit	Q.	ණ ස්
Echo Lake	10	7/22/1977 3	137540	V	001	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	aylor-hilgard Unit	inter-	20
Expedition Lake	ō	7122/1977 3	137580	⋖	000 F00	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unif	aylor-hilgard Unit	۵.	**** ****
Expedition Lake	03	8/8/1980 3	137580	Σ	013	Madison	Lee Metcall Wilderness, Taylor-hilgard Unit	aylor-hilgard Unit	×	**** =\;\}
Finger Lake	03	7/14/1976 3	137620	>-	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	aylor-hilgard Unit	C.	****
Finger Lake	63	8/4/1981 3	137620	2	013	Madison	Lee Metcalf Wilderness, Taylor-hitgard Unit	aylor-higard Unit	Ç.	here La
Gnome Lake	03	9/28/1973 3	137635	:	013	Madison	Lee Metcalf Wilderness, Taylor-Inigard Unit	aytor-migard Umt	×	Nome.
High Hope Lake	03	7/22/1977 3	137805	M	013	Madison	Lee Metcall Wilderness, Taylor-hilgard Unit	aylor-hilgard Unit	×	22
High Fope Lake	õ	8/8/1980 3	137805	M	0.13	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	aytor-hilgard Unit	Z. Velo-	<u></u>
Higard Lake	03	7122/1977 3	137810	M	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	aylor-hitgard Unit	×	ಬ್
Hitgard Lake	63	8/8/1980 3	137810	M	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	aytor-hilgard Unit	2	50
Lake Cameron	03	7/14/1976 3	137160	Z	013	Madison	Lee Metcalf Wilderness, Taylor-hitgard Unit	aylor-hilgard Umi	×	5

Nume	Horeberry	Plunt date Region	34,41169	Strain	Species	( BHH)	FILTER CSS	APPLEERS	Draine
Lake Cameron	() ()	8/8/1980 3	137.160	z	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	<u>a.</u>	<i>₽</i>
Lake Eglise	63	7722/1977 3	137545	2	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	×	ب دن
Lake Eghse	03	8/8/1980 3	137545	Z	013	Madison	Lee Metcalf Wildemess, Taylor-hilgard Unit	۵.	13
Lake Ha Hand	63	9/16/1970 3	137660		013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	×	den del
Lower Dutchman La 03	03	7/22/1977 3	137890	S	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	×	65
Lower Dutchman La	. 03	8/8/1980-3	137890	M	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	a.	£
No Man Lake	63	8/12/1971 3	138080	ŧ	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unii	×	5
No Man Lake	03	7/14/1976 3	138080	>	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	Q.	13
No Man Lake	03	8/4/1981 3	138080	N	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unif	۵	ئى ئى
Painted Lake	S	9/28/1973 3	138140	,	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	×	13
Painted Lake	63	8/28/1978 3	138140	N.	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	×	
Painted Lake	03	8/4/1981 3	138140	2	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	a.	5
Papoose Lake	63	7722/1977 3	138150	Z	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	×	<del>ئ</del> ئ
Papoose Lake	03	8/8/1980 3	138150	Z	013	Madison	Lee Metcalf Witterness, Taylor-hilgard Unit	a.	13
Rambow Lake	0	712211977 3	138870	A	100	Madison	Lee Metcall Wilderness, Taylor-hilgard Unil	c.	ش. ري
Ramona Lake	03	9/15/1970 3	138200	j	5	Madison	Lee Metcall Wilderness, Taylor-hilgard Unit	×	<u>e</u>
Ramona Lake	60	9/28/1973 3	138200	ı	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	g.	<del>ن</del> ن
Sunset Lake	03	9/16/1970 3	138540	ŧ	013	Madison	Lee Metcalf Wilderness. Taylor-hilgard Unil	×	Ame Saul
Upper Dutchman La	a 03	7122/1977 3	138860	Z	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	×	<del>ئى</del> ئى
Upper Outchman La 03	<b>a</b> 03	8/8/1980 3	138860	N	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	<b>4</b>	<del>(1</del> )
Wedge Lake	õ	7122/1977 3	138975	<	100	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unif	a H	Moran E.A.C.

78683N	Marchery	Plant date Region Water	Water	Strain	Species	Courty	WHACTIESS	онин принути денникот коневникот коневнуту текнического пределавания от поменения в поделавания от поменения в	THE STATE OF THE S	J. J. W. L. B. E. E. C.
VICECTOR LANE	томинизменталичення по в в в в в в в в в в в в в в в в в в	WAI 1981 3	138975	N.	013	Madison	Lee Metcalf Wilderness, Taylor-hilgard Unit	s, Taylor-higard Unit	×	ಬ
S S S S		Mission Mountains Tribal N	Widerness	0 0 0 0						
Ashley (Hkklen) Lak 13	~~	8/8/1968 1	075222	•	002	Lake	Mission Mountains Tribal Wilderness	bal Wilderness	×	<b>2</b> 0
Osapponitment Lak	<u></u>	8/8/1968 1	075960	š	002	Lake	Mission Mountains Tribal Wilderness	bal Wilderness	۵	10
Duncan Lake	6 6	8/8/1968 1	076080	•	002	Lake	Mission Mountains Tribal Wilderness	bal Wilderness	Q.	07
Fist Lake	in (m.	7/18/1968 1	076380	,	002	Lake	Mission Mountains Tribal Wilderness	bal Wilderness	ŝ.	7.0
Long Lake	13	7/18/1968 1	077378	ŧ	002	Lake	Mission Mountains Tribal Wilderness	bal Wilderness	×	7.0
Lucifer Lake	5	117/11968 1	077620	ı	002	Lake	Mission Mountains Tribal Wilderness	bal Wilderness	G.	70
Mud Lake #1	13	8/8/1968 1	078020	ı	005	Lake	Mission Mountains Tribal Wilderness	bal Wildemess	*	7.0
Pablo Lake	13	8/8/1968 1	078155	•	005	a a a	Mission Mountains Tribal Wilderness	bal Wildemess	×	0.7
Picture Lake	5	8/8/1968 1	078260	,	005	Lake	Mission Mountains Tribal Wilderness	bai Wilderness	ů.	07
Semelem Lake	5	7/17/1968 1	078590	1	002	Lake	Mission Mountains Tribal Wilderness	ibal Wildemess	×	70)
South Crow Creek t.	5	8/8/1968 1	078752	,	002	Lake	Mission Mountains Tribal Wilderness	bal Wilderness	×	40
South Crow Creek L	5	8/8/1968 1	078754	1	005	Lake	Mission Mountains Tribal Wilderness	bal Wilderness	Ω.	07
Summil Lake	~	7/18/1968 1	078970	1	0002	Lake	Mission Mountains Tribal Wilderness	ibal Wildemess	۵	0.7
Terrace Lake	<b>₹</b> ****	7/18/1968 1	078751	£	003	Lake	Mission Mountains Tribal Wilderness	ibal Wilderness	a.	7.0
W.S.S.		Mission Mountains Wildern	eriesso							
Crescent Lake	4 (L)	9/4/1963 1	075880	,	200	Missoufa	Mission Mountains Wilderness	Idemess	><	03
Oucharme Lake	~	9/23/1957 1	079420	4	002	Lake	Mission Mountains Wilderness	idemess	×	0.7
Fatty Lake	13	9/23/1957 1	076300	ŧ	002	Lake	Mission Mountains Wilderness	fidemess	×	<i>1</i> /0
Fleat Lake	Ç	9/4/1963 1	076660	,	200	Missoula	Mission Mountains Wilderness	Ademess	×	0.7
وه آیاده کلام افتاده میکنده در	a Pridon Ballando, ses ses ses ses seguines necisios	等。 1918年11月 - 1945年 -	ERSPECTATION WAS BODINGS	All Alle Mail (Alle State States)	on the state of the second	SELECTION OF THE PARTY OF THE POST OF THE	了一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	ASSESSAÇÃO ASSESSAÇÃO ASSESSAÇÃO ASSESSAÇÃO AS ESTADA ESTADA AS ESTADA AS	APP KODEN LENÍNSKO TÁVETNÍM	notemezika englasteria
Thursday, Septemb	Ner 11, 2008									

MINISHUE, SEPTEMBER 11, 2008

Name.	Hearitery	Plant date Region Water	Water	Strain	Species County	Comme	######################################	AIPTHINES	THE WAY STATES
MANAGEM LAKE	(2.0)	Resilvações de la company de l	076680	:	002	Missoula	Mission Mountains Wilderness	<u>.</u>	20
Island Lake	82	9/4/1963 1	076880	3	200	Missoula	Mission Mountains Wilderness	×	07
Jim Lake #12	60	8/21/1969 1	076970		700	Missoula	Mission Mountains Wilderness	ā.	07
Jim Lake #19	60	8/21/1969 1	076975	€	002	Missoula	Mission Mountains Wilderness	ct.	07
Jin Lake #20	60	8/21/1969 1	076976	1	700	Missoula	Mission Mountains Wilderness	<u>a</u>	7.0
Jin Lake #6	60	8/21/1969 1	076964	ī	200	Missoula	Mission Mountains Wilderness	s.	67
Jim Lake #7	60	8/21/1969 1	076965	<b>:</b>	002	Missoula	Mission Mountains Wilderness	۵	07
Jun Lake #8	60	8/21/1969 1	076966	Å	005	Missoula	Mission Mountains Wilderness	G.	07
Mollingin Lake #1	62	8/8/1968 1	077600	i	005	Missoula	Mission Mountains Wilderness	×	07
Mollman Lake #1		8/8/1968 1	002220	ı	005	Missoula	Mission Mountains Wilderness	×	10
Phys Lake	<u>ta</u>	9/23/1957 1	077580	£	002	Lake	Mission Mountains Wilderness	۵	0.5
	Z S S S S S S S S S S S S S S S S S S S	Rattlesnake Wilderness							
Sull Lake	02	8/11/1977 2	046225	A	0.12	Missoula	Rattiesnake Wilderness	×	04
Farmers Lake #6	02	7/34/1972 2	069476	ę	012	Missoula	Rattlesnake Wilderness	×	90
fy Lake	8	7/20/1976 2	046596	<	012	Missoula	Ralllesnake Wilderness	×	04
Cold Creek Lake	(15	7/20/1976 2	046598	Ä	012	Missoula	Rattlesnake Wilderness	×	8
Ralllesnake Lake #3 02	3 02	7/31/1972 2	067505	1	012	Missoula	Rallesnake Wilderness	×	8
Raffesnake Lakes	20	9/8/1968 2	047190	,	012	Missoula	Rattlesnake Wilderness	×	0.4
Sanders Lake	S	8/1/1/977 2	069139	¥ .	0112	Missoula	Rattlesnake Wilderness	a,	90
Worden Lake	02	7/3/1/972 2	069480	(	012	Missoula	Rattesnake Wilderness	×	90

### Scapegoat Wilderness

Marketon of contraction of the property of the Same September 11, 2008

Nume	Hutchery	Harchery Plant date Region Water Strain Species County	13/13/19	Strain	Species	Count.	FFILE CONTROL	STATISTICS DESCRIPTIONS OF STATISTICS OF STA	Spunne
INTERNATIONAL PROPERTY IN STREET	13	Heart Lake 13 6/30/1960 2 046690 - 010 Powell	046690		010	Powell	Scapegoal Wilderness	×	04
Upper Twin Lake	03	8/15/1969 2	047530	ŧ	013	Lewis and Clar	Lewis and Clar Scapegoat Wilderness	×	04
		Selway-Bitterroot Wilderness	S						
Buy Creek Lakes #1 02	02	8/11/1977 2	037325	¥	012	Ravalli	Selway-Bitterroot Wilderness	۵.	03
Slodgett Lake	02	8/11/1977 2	037350	Ø	012	Ravalli	Selway-Bitterroot Wilderness	Q.	63
Canyon Lakes	70	8/11/1977 2	037525	A	012	Ravalli	Selway-Bitterroot Wilderness	G.	03
Crystal Lake	02	8/11/1977 2	037725	¥	012	Ravall	Selway-Bitterroot Wilderness	Ç. Nite	0.3
Kerlee Lake	02	8/11/1977 2	038300	⋖	012	Ravalli	Selway-Bitterrool Wilderness	0_	03
faean Lake	02	8/11/1977 2	038800	⋖	012	Ravalli	Selway-Bitterroot Wilderness	<u>a</u>	03
South Fork Lake	65	8/11/1977 2	039150	⋖	012	Ravalli	Selway-Bitterroot Wilderness	۵.	63
South Fork Loto Lak 02	c 02	7/31/1972 2	039175	,	012	Ravalli	Selway-Bitterroot Wilderness	۵	63

### APPENDIX D

Alphabetical list of wilderness lakes with no prewilderness designation precedents for aerial stocking

Wilderness Plants Without a Precident Plant - Alphabetic

(VIIII).	F ( C F C ) I C F V	Region Water	9	Struin	SFRIN Species County	COHFFY	Wildermannentermannentermannentermannentermannentermannentermannentermannentermannentermannentermannentermannen
Alp Lake	00	S	Alp Lake G	C	013	Carbon	Absaroka-Beartooth
Asteroid Lake	03	ধ্ব	Asteroid	S	700	Stillwater	Absamka-Beartooth
Avalanche Lake	03	ĸ	Avalanc	<b>o</b>	013	Stillwater	Absaroka-Beartooth
Baree Lake	ţ	<del></del>	Baree L	Σ	0.12	Lincoln	Cabinel Mountains
Bass Lake	ō	~	Bassta	2	012	Ravalli	Selway-Bitterroot
Big Bear Lake	<u> </u>	ę	Big Bear	Ñ	012	Lincoln	Cabinet Mountains
Blacktarl Lake	03	S.	Blacktail	0	013	Sweet Grass	Absaroka-Beartooth
Bramble Creek Lake 03	03	£O.	Bramble	O	013	400	Absaroka-Beartooth
Broadwater Lake	03	છ	Broadwa	Ű	013	Dark X	Absaroka-Beartooth
Cataract Lake	03	s)	Cataract	0	013	Stillwater	Absaroka-Beartooth
Codar Lake	13		Cedar L	Z	012	Lake	Mission Mountains
Cirque Lake #1	~	<del></del>	Cirque L	≥	0.12	Sanders	Cabinet Mountains
Cirque Lake #2	13	ę	Cirque L	Σ	012	Sanders	Cabinet Mountains
Desolation Lake	03	ហ	Desotati	SS	700	Carbon	Absaroka-Beartooth
Diamond Lake	\$	<del></del>	Diamon	M	012	Flathead	Bob Marshall
Diyad Lake	63	w w	Dryadl	ď	700	Stillwater	Absaroka-Beartooth
Duffy Lake	10	2	Duffy La	2	012	Ravalli	Selway-Bitterroot
Eedica Lake	03	un.	Eedica L	9	013	Stillwater	Absaroka-Beartooth
Elk Cake	03	រេ	EK Lake G	O	013	Sweet Grass	Absaroka-Beartooth

Priday, September 12, 2008

Muse	Harchery	Region Ware	\$\$\\ (\$\\ \).	Strain	Species County	L. M. 1818 11 J.	WILLDER ESS	THE REPORT OF THE PARTY OF THE
Fish Lake	03	3	Fish Lak	9	013	Park	Absaroka-Beartooth	
Forsaken Lake	03	r)	Forsake	9	013	Carbon	Absaroka-Beartooth	
Fred Burr Lake	01	2	Fred Bur M	Σ	012	Ravalli	Selway-Bitterroot	
Fulcrum Lake	03	5	Fulcrum	ပ	013	Park	Absaroka-Beartooth	
George Lake	dines.	-	George	Z	012	Missoula	Bob Marshall	
Great Falls Creek L.	03	2	Great Fa	9	013	Park	Absaroka-Beartooth	
Hennich Lake	10	2	Heimrich	M	012	Ravalli	Selway-Bilterroot	
Hipshot Lake	03	9	Hipshot	O	013	Carbon	Absaroka-Beartooth	
Hollaway Lake	01	23	Hollawa	×	012	Ravalli	Selway-Bitterroot	
Horseshoe Lake	03	ಸ	Horsesh	9	013	Park	Absaroka-Beartooth	
Incisor Lake	Ö	S	Incisor L	S	200	Park	Absaroka-Beartooth	
Jim Lake #16	0.0	<del></del>	Jim Lak	Σ	0.12	Missoula	Mission Mountains	
Koessler Lake	<u>~~</u> ₹7	<del></del>	Koessler	M	0.12	Missoula	Bob Marshall	
Lake Of The Winds	03	so.	Lake Of	၁	013	Carbon	Absaroka-Beartooth	
Leaky Raft Lake	03	so.	Leaky R	0	013	Park	Absaroka-Beartooth	
Lena Lake	<b>€</b> 0	₹=+	Lenata	×	012	Missoula	Bob Marshall	
Lick Creek Lake	~	<b>-</b>	Lick Cre	N	012	Missoula	Bob Marshall	
Lille Washtub Lake	0.3	ĸ	Little Wa	į. Juną	010	Park	Absaroka-Beartooth	
Lower Sky Lake	13	-	Lower S	W	012	Lincoln	Cabinet Mountains	
Lower Storm Lake	03	\$	Lower St G	0	013	Stillwater	Absaroka-Beartooth	
Marsh Lake	03	sS.	Marsh L G	0	013	Park	Absaroka-Beartoofh	

Priday, September 12, 2008

Nume	I LIVE I CO'V	Region Water	Water	Strain	Species County		FILL CFILESS	Second Hardway
Martin Lake	03	un.	Martin	.s	200	Carbon	Absaroka-Beartooth	
McKnight Lake	03	5	McKnigh	တ	200	Park	Absaroka-Beartooth	
Moran Basın Lakes	22		Moran B	M	012	Sanders	Cabinet Mountains	
Mosquiro Lake	03	5	Mosquit	;	010	Park	Absaroka-Beartooth	
Necklace Lakes	£2.	que	Necklac	≅	012	Missoula	Bob Marshall	
Nemidji Lake	03	S	Nemidji	9	013	Sillwater	Absaroka-Beartooth	
Nugget Lake	60	ಳು	Nugget	9	013	Stillwater	Absaroka-Beartooth	
(жеаптов Lake		6	Oreamn	\$	012	Deer Lodge	Anaconda-Pintler	
Princess Lake	03	KD.	Princess	i	010	Stillwater	Absaroka-Beartooth	
Prospect Lake	03	5	Prospect	<u>ق</u>	013	Park	Absaroka-Bearlooth	
Rainbow Lake	Č		Rainbow	M	012	Lake	Mission Mountains	
RainbowLake	gurin- Carlo	т	Rainbow	W	012	Madison	Lee Metcaff	
Saderbalm Lake	60	ഹ	Saderba	į.	010	Stillwater	Absaroka-Beartooth	
Scal Lake	03	ις	Scat Lak	S	700	Carbon	Absaroka-Beartooth	
Shadow Lake	()3	ro.	Shadow	၅	20	Carbon	Absaroka-Beartooth	
Sdt Lakes #2	03	es S	Sill Lake	0	013	Carbon	Absaroka-Beartooth	
Silver Lake	03	S	Silver La	9	013	Park	Absaroka-Beartooth	
Skeeter Lake	63	S	Skeeter	ı	010	Carbon	Absaroka-Beartooth	
Snowshoe Lake	13	g	Snowsfn	M	012	Sanders	Cabinet Mountains	
Sock Lake	01	4	Sock La	×	012	Lewis and Clar	Bob Marshall	
Spagnetti Lake	03	<b>1</b> 0	Spaghel		010	Carbon	Absaroka-Beartooth	

Name	Just Hereit	Region Water	1	Strain	Species	Course (	PTILICETTO SS	AN AND AND AND AND AND AND AND AND AND A
Speculator Lake	0.3	5	Speculat	O	013	Sweet Grass	Absaroka-Bearlooth	
SiPaultake	5	<del>,</del>	St Paul	×	012	Sanders	Cabinet Mountains	
Star Lake	03	ın	Star Lak	g	013	Park	Absaroka-Beartooth	
Stash Lake	03	5	Stash La	ŋ	013	Park	Absaroka-Beartooth	
Stephanie Lake	03	5	Stephan	Ü	013	Park	Absaroka-Bearlooth	
Sundance Lake	03	5	Sundan	9	013	Carbon	Absaroka-Beartooth	
Sundown Lake	03	sc.	Sundow	9	013	Sweet Grass	Absaroka-Beartooth	
Trail Lake	03	5	Trail Lak	9	013	Carbon	Absaroka-Beartooth	
Tnangle Lake		ú	Triangle	9	013	Carbon	Absaroka-Beartooth	
Upper Arch Creek L	03	ಕು	Upper A	9	013	Carbon	Absaroka-Beartooth	
Weasel Creek Lake	603	ಳಾ	Weasel	9	013	Park	Absaroka-Beartooth	
WeaselLake	03	S	Weasel	9	013	Park	Absaroka-Beartooth	
Weeluna Lake	03	ধ্য	Weelun	<u>ڻ</u>	013	Stillwater	Absaroka-Beartooth	
West Boulder Lake	03	ಳು	West Bo	9	013	× C	Absaroka-Beartooth	
West Fishiall Lakes	CO CO	\$	West Fis	හ	200	Stillwater	Absaroka-Beartoofh	
Wietly Lake	83	ç	Wifedy L	9	013	Park	Absaroka-Beartooth	
Wood Lake	0.3	ಳು	Wood L	O	013	Stillwater	Absaroka-Beartooth	
Woodward Lake	£2	Spin-	Woodwa M	M	012	Missoula	Bob Marshall	

### APPENDIX E

List of wilderness lakes with no pre-wilderness designation precedents for aerial stocking by FWP region

# Willerness Plants Without a Precident Plant - Regional

Nemme	(2) . M. (2) 2 2 4 4 7 7 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Region	Water	Strain	Region Water Strain Species County	COMMY	\$PTULCTRUSS	Anthia state
Barbe Lake		-	Baree L	N	012	Lincoln	Cabinet Mountains	
Big Bear Lake	ŭ	<del>u</del>	Big Bear	2	012	Lincoln	Cabinet Mountains	
Cedar Lake	<u>~</u>	<del>-</del>	Cedar L	2	0.12	Lake	Mission Mountains	
Crque Lake #1	13	<b></b>	Cirque L	2	012	Sanders	Cabinel Mountains	
Cirque Lake #2	<b>₹</b> -	<del></del>	Cirque L	2	0.12	Sanders	Cabinet Mountains	
Diamond Lake	شت نث	ç	Diamon	2	012	Flathead	Bob Marshall	
George Lake	13	<del></del>	George	M	012	Missoula	Bob Marshall	
Jim Lake #16	0.1	جي	um Lak	Ñ	012	Missoula	Mission Mountains	
Koessler Lake	13	-	Koessler	Z	012	Missoula	Bob Marshall	
Lena Lake	ţ;	ş	Lena La	₹	012	Missoula	Bob Marshall	
Lick Creek Lake	200 mare	معيد	Lick Cre	Σ	012	Missoula	Bob Marshall	
Lower Sky Lake	2	<del>y-</del>	Lower S	Σ	012	Lincoln	Cabinet Mountains	
Moran Basın Lakes	22	ţ	Moran B	₹	012	Sanders	Cabinet Mountains	
Necklace Lakes	. 5	<del></del>	Necklac	N	012	Missoula	Bob Marshall	
RambowLake	ō	ė,	Rainbow	v M	012	Lake	Mission Mountains	
Snowshoe Lake	**************************************	ę	Snowsh	W	012	Sanders	Cabinet Mountains	
Sì Paul Lake	£	4v	St Paul	M	012	Sanders	Cabinet Mountains	
Woodward Lake	ش ش	çun	Woodwa M	≥ 8	012	Missoula	Bob Marshall	
Bass Lake	01	2	Bass La M	* W	210	Ravalli	Selway-Bitterroot	

Priday, September 12, 2008

Name	I THE RETY .	Region Water	Warer	Strain	Species County	County	3) HICKORY CS.	
Ouffy Lake	01	2	Duffy La	M	012	Ravalli	Selway-Bitterroot	
Fred Bur Lake	01	~	Fred Bur M	*V	012	Ravalli	Setway-Bitterroot	
Heinnch Lake	0.1	2	Heimich	N	012	Ravalli	Selway-Bitterroot	
Hollaway Lake	01	2	Hollawa	N	012	Ravalli	Selway-Bitterroot	
Fish Lake	03	ಣ	Fish Lak	0	013	Park	Absaroka-Beartooth	
Orearmos Lake		3	Oreamn	Σ	012	Deer Lodge	Anaconda-Pintler	
Rainbow Lake	0.1	co	Rainbow	2	012	Madison	Lee Metcalf	
Sock Lake	<u>~</u>	শ্ব	Sock La	×	012	Lewis and Clar	Bob Marshall	
Alp Lake	03	S	Alp Lake	9	013	Carbon	Absaroka-Beartooth	
Asteroid Lake	03	¥Λ	Asteroid	S	700	Stillwater	Absaroka-Beartooth	
Avalanche Lake	03	វា	Avalanc	9	013	Stillwater	Absaroka-Beartooth	
Stackfall Lake	03	5	Blacktail	9	013	Sweet Grass	Absaroka-Beartooth	
Branche Creek Lake		ъ	Bramble	ඉ	013	Park	Absaroka-Beartooth	
Broadwater Lake	03	ಭ	Broadwa	٥	013	Park	Absaroka-Bearlooth	
Cataract Lake	63	۲N	Cataract	9	013	Stillwater	Absaroka-Beartooth	
Desolation Lake	03	5	Desolati	S	2007	Carbon	Absaroka-Beartooth	
Dryad Lake	03	ي د	Dryad L	S	200	Stillwater	Absaroka-Beartooth	
Eedica Lake	03	¢.	Eedica L	0	013	Stilfwater	Absaroka-Beartooth	
Elk Lake	03	S	Elk Lake	9	013	Sweet Grass	Absaroka-Beartooth	
Forsaken Lake	03	ಟ	Forsake	0	013	Carbon	Absaroka-Beartooth	
Fulcrum Lake	03	FO.	Fulcrum G	O	013	Park	Absaroka-Bearlooth	

hickonnen nami anni kananasiasa 12, 2008 Friday, September 12, 2008

Nerran	18. 3 C 3 C 3 C 3 C 3 C 3 C 3 C 3 C 3 C 3	Kegion	Region Water Stain	Strain	Species County	Count	342HCFNCSS	
Skeeler Lake	() 3	5	Skeeter	,	010	Carbon	Absaroka-Beartooth	
Spagnetti Lake	03	w	Spaghet	ŧ	010	Carbon	Absaroka-Beartooth	
Speculator Lake	03	ស	Speculat	9	013	Sweet Grass	Absaroka-Beartooth	
Star Lake	03	ಳಾ	StariLak	9	013	Park	Absaroka-Beartooth	
Stash Lake	03	S	Stash La	9	013	Park	Absaroka-Beartooth	
Stephane Lake	ő	rD.	Stephan	ව	013	Park	Absaroka-Beartooth	
Sundance Lake	03	ಭ	Sundan	9	013	Carbon	Absaroka-Beartooth	
Sundown Lake	60	so.	Sundow	O	013	Sweet Grass	Absaroka-Beartooth	
Trait Lake	03	ĸņ	Trail Lak	ග	013	Carbon	Absaroka-Beartooth	
Triangle Lake	03	S	Triangle	9	013	Carbon	Absaroka-Beartooth	
Upper Arch Creek L	03	so.	Upper A	9	013	Carbon	Absaroka-Beartooth	
Weasel Creek Lake	03	KG.	Wease	9	013	Park	Absaroka-Beartooth	
Weasel Lake	03	S.	Weasel	ග	013	Park	Absaroka-Beartooth	
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West Boulder Lake	03	ιń	West Bo	O	013	Park	Absaroka-Beartooth	
West Fishtail Lakes	03	S	West Fis	Ø	200	Stillwater	Absaroka-Beartooth	
Wiedy Lake	00	rc.	Wiedy L	0	013	Park	Absaroka-Beartooth	
Wood Lake	03	ಳು	Wood I.	o	013	Siliwater	Absaroka-Beartooth	

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