

Project(s) Proposal

Date Generated: February 19, 2014

Montana Fish, Wildlife and Parks

Sport Fish Restoration/Aquatic Resource Education Program

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Project Statement Details

Project Snapshot #60001987 - BMP - MT Aquatic Resources Education Program

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Primary Agency	Montana Fish, Wildlife and Parks
Start Date	July 1, 2010
End Date	June 30, 2011
Project Categories	Recreation

Project Statement Details #60001988 - Montana Aquatic Education Program

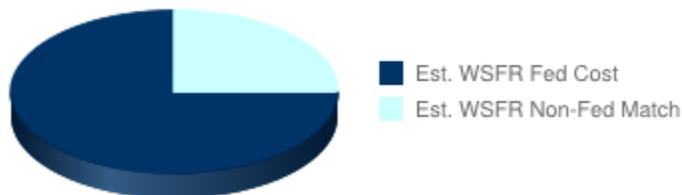
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Properties

Is Revision?	No
Grant Programs	Sport Fish Restoration/Aquatic Resource Education Program

Project Statement	Estimated WSFR Federal Cost:	\$385,785
Cost Breakdown	Estimated WSFR Non-Federal Match:	\$128,595
	Total Estimated Cost:	\$514,380

Cost Breakdown Graph



Need Statement

The need for an educated public is demonstrated repeatedly in every aspect of the philosophy, awareness, ownership, responsible use, and cost of outdoor recreation activities. The scope of the Aquatic Education (AE) program includes the development and coordination of activities that advocate the sustained and appreciative use of Montana’s fisheries and water resources. For those participating in the program, the benefits include informed, ethical, and involved users who support agency direction and mission. The agency embraces programs and methods which will insure that constituents are provided with timely and accurate information about water, fish, and

fisheries management, with opportunities to provide lifelong outdoor skills, and educational strategies that will increase awareness and appreciation of the state's aquatic resources.

In Montana, enjoyment of the state's natural resources, especially its high quality water and fisheries is a central component to the quality of life of many residents. However, misuse, abuse, and lack of knowledge among the public threatens those important aquatic resources. A comprehensive Aquatic Education program will promote public understanding of fisheries and water quality issues, cultivate responsible, informed, and ethical behavior among resource users helping them to better understand and enjoy the aquatic environment, improve angling skills, and increase user safety.

Montana's Aquatic Resources Education Program has developed a strong presence among schools, anglers, and the citizens of Montana in the past 15 years. However, there is still a need to develop new programs to meet the needs of teachers, students, and anglers, as well as to continue the success enjoyed by the current program.

Approach

The angler education coordinator will direct all of the activities of the program, as well as short and long term planning.

Approach A - To develop, refine and expand the Montana Hooked on Fishing program for youth and teachers in Montana schools.

1. Recruit and train 10 new classrooms annually (300 students and 20 teachers/instructors) to participate in the HOFNOD program, while maintaining an active core group of ISO classrooms.
2. At the conclusion of the I looked on Fishing unit in their classroom, each child will be able to operate a spin cast rod and reel, describe 10 species of native Montana fish, describe basic facts regarding fish anatomy and physiology, describe where and how to fish in their local area, describe two water safety concepts suitable for their age level.
3. Print and distribute three times annually a newsletter (M*A*Y. Club- Montana Angling Youth) for preschool- sixth grade Montana students participating in the Hooked on Fishing program, which will cover fish identification, habitat fishing techniques, water safety regulations, and other topics related to fish and aquatic ecosystems.

Approach B - To maintain, refine and expand the public fishing clinic program across the state.

1. Conduct 30 angler education clinics across the state. At the conclusion of the workshop, participants will be able to cast a spin-cast rod 30 feet, tie a simple fishing knot, attach a hook, bobber and sinker to their fishing line, and identify 4 common Montana fish and how to fish for each and describe two important water safety concepts important for their age.

Approach C - To maintain, refine and expand the AE program for the general population of the state, by conducting courses and clinics, distributing educational materials, and maintaining a presence through FWP employees.

1. Produce and distribute at least 1 new educational aid such as poster, brochure, activity guide, etc. each year.
2. Conduct 5 or more (two hour long) introductory fishing workshops for non-traditional angler groups such as women, persons with disabilities, and minorities. At the conclusion of a clinic, a participant will be able to cast a spin-cast rod 30 feet, tie one simple fishing knot, attach a hook,

bobber, and sinker to their fishing line, and identify at least two common Montana fish.

Approach D - To assist groups and agencies conducting angler education programs and events within the state of Montana.

1. Maintain fishing tackle loaner program including fly fishing and fly tying supplies for statewide use by 40 classrooms and educational clinics.
2. Issue 50 free educational fishing license exemptions to qualified groups conducting fishing clinics.
3. Train 30 new instructors to deliver the fishing tackle loaner program.

Approach E - To conduct outreach efforts on Montana's fish and aquatic resources, and promote fishing among youth and adults.

1. Work in coordination with FWP regional offices and hatcheries to develop aquatic education displays consistent with goals of the program on an as-needed basis.
2. Promote Montana's native fish species through 30 lectures, programs, and production of educational materials.

Expected Results

The continued presence of Montana's Aquatic Education program will provide both youth and adults the opportunity to learn about Montana's aquatic ecosystems and their importance, fishing skills, and outdoor ethics. Educators who take part in the AE program will use materials and equipment to teach children (grades K-12) about water and fisheries resources, while using the expertise of fishing instructors to teach the skills of fishing. The continued presence of Montana's Aquatic Education program will provide both youth and adults the opportunity to learn about Montana's aquatic ecosystems and their importance, fishing skills, and outdoor ethics. Educators who take part in the AE program will use materials and equipment to teach children (grades K-12) about water and fisheries resources, while using the expertise of fishing instructors to teach the skills of fishing.

SMART Objectives - Needs/Threats

1 - Education Needs

Need/Threat Level	2
Level 1 Need/Threat	Education/ Outreach Needs
Description	The Aquatic Education (AE) program includes the development and coordination of activities that advocate the sustained and appreciative use of Montana's fisheries and water resources. For those participating in the program, the benefits include informed, ethical, and involved users who support agency direction and mission. The agency embraces programs and methods which will insure that constituents are provided with timely and accurate information about water, fish, and fisheries management, with opportunities to provide lifelong outdoor skills, and educational strategies that will increase awareness and appreciation of the state's aquatic resources.

Objectives

Objective ID - 2

Objective Name	Montana Public Fishing Clinic Program
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Objective Statement To maintain, refine and expand the public fishing clinic program across the state annually. 1. Conduct 30 angler education clinics across the state. At the conclusion of the workshop, 2,500 participants will be able to cast a spin-cast rod 30 feet, tie a simple fishing knot, attach a hook, bobber and sinker to their fishing line, and identify 4 common Montana fish and how to fish for each and describe two important water safety concepts important for their age.

Standard Indicators

Desired Future Value	Base Value	Output	Deadline
2500	0	Students	June 30, 2011

Objective ID - 1

Objective Name "Montana Hooked on Fishing" Program

Objective Statement To develop, refine and expand the "Montana Hooked on Fishing" program for youth and teachers in Montana's schools annually. 1. Recruit and train 10 new classrooms annually to participate in the HOFNOD program, while maintaining an active core group of 150 classrooms and 4500 trained students. 2. At the conclusion of the Hooked on Fishing unit in their classroom, each child will be able to operate a spin cast rod and reel, describe 10 species of native Montana fish, describe basic facts regarding fish anatomy and physiology, describe where and how to fish in their local area, describe two water safety concepts suitable for their age level. 3. Print and distribute three times annually a newsletter (M*A*Y. Club-Montana AnglingYouth) for preschool- sixth grade Montana students participating in the Hooked on Fishing program, which will cover fish identification, habitat fishing techniques, water safety regulations, and other topics related to fish and aquatic ecosystems.

Standard Indicators

Desired Future Value	Base Value	Output	Deadline
4500	0	Students	June 30, 2011

Objective ID - 3

Objective Name Aquatic Resource Education for Non-Traditional Participants

Objective Statement To maintain, refine and expand the AE program for the general population of the state, by conducting courses and clinics, distributing educational materials, and maintaining a presence through FWP employees annually. 1. Produce and distribute at least 1 new educational aid such as poster, brochure, activity guide, etc. each year. 2. Conduct 5 or more (two hour long) introductory fishing workshops for non-traditional angler groups such as women, persons with disabilities, and minorities (50 participants). At the conclusion of a clinic, a participant will be able to cast a spin-cast rod 30 feet, tie

one simple fishing knot, attach a hook, bobber, and sinker to their fishing line, and identify at least two common Montana fish.

Standard Indicators

Desired Future Value	Base Value	Output	Deadline
50	0	Students	June 30, 2011

Objective ID - 4

Objective Name Instructor Training for "Fishing Tackle Loaner Program"
 Objective Statement To assist outside groups and agencies to conduct angler education programs and events within the state of Montana annually. 1. Maintain fishing tackle loaner program including fly fishing and fly tying supplies for statewide use by 40 classrooms and educational clinics. 2. Issue 50 free educational fishing license exemptions to qualified groups conducting fishing clinics. 3. Train 30 new instructors to deliver the fishing tackle loaner program.

Standard Indicators

Desired Future Value	Base Value	Output	Deadline
30	0	Instructors	June 30, 2011

Objective ID - 5

Objective Name Outreach
 Objective Statement To conduct outreach efforts on Montana's fish and aquatic resources, and promote fishing among youth and adults annually. 1. Work in coordination with FWP regional offices and hatcheries to develop aquatic education displays consistent with goals of the program on an as-needed basis. 2. Promote Montana's native fish species through 30 lectures, programs, and production of educational materials.

Custom Quantitative Indicators

Desired Future Value	Base Value	Output	Deadline
31	0	Outreach Activities	June 30, 2011

Objective ID - 6

Objective Name Aquatic Resource Education Instructor Training
 Objective Statement 1. Recruit and train 50 new aquatic education teachers/instructors and maintain a cadre of 300 teachers/instructors to deliver aquatic education throughout Montana annually.

Standard Indicators

Desired Future Value	Base Value	Output	Deadline
50	0	Instructors	June 30, 2011

Appendix A: Project Details

Project Details #60001987 - BMP - MT Aquatic Resources Education Program

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Properties

Status	Active
Primary Agency	Montana Fish, Wildlife and Parks
Start Date	July 1, 2010
End Date	June 30, 2011
Is Project Sensitive?	No
Project Categories	Recreation
Action Categories	Education, Outreach

Project Description

The Aquatic Education (AE) program includes the development and coordination of activities that advocate the sustained and appreciative use of Montana's fisheries and water resources. For those participating in the program, the benefits include informed, ethical, and involved users who support agency direction and mission. The agency embraces programs and methods which will insure that constituents are provided with timely and accurate information about water, fish, and fisheries management, with opportunities to provide lifelong outdoor skills, and educational strategies that will increase awareness and appreciation of the state's aquatic resources.

Location Details

Is Statewide Project? Yes

Project Statement Summaries

Project Statement #60001988 - Montana Aquatic Education Program

[\[View Statement Details\]](#)

Grant Programs

Sport Fish Restoration/Aquatic Resource Education Program

Action Summaries

Action # 60049383 - Aquatic Resource Education Instructor Training

[\[View Action Details\]](#)

Start Date	July 1, 2010
End Date	June 30, 2011
Action Category	Education
Action Strategy	Educator/Instructor training

Action # 60010501 - Outreach

[\[View Action Details\]](#)

Start Date	July 1, 2010
End Date	June 30, 2011
Action Category	Outreach
Action Strategy	WSFR program/subprogram outreach

Action # 60049363 - Introductory Fishing Workshops for Non-Traditional angler groups

[\[View Action Details\]](#)

Start Date	July 1, 2010
End Date	June 30, 2011
Action Category	Education
Action Strategy	Student training

Action # 60049375 - Fishing Tackle Loaner Program

[\[View Action Details\]](#)

Start Date	July 1, 2010
End Date	June 30, 2011
Action Category	Education
Action Strategy	Educator/Instructor training

Action # 60049342 - Montana Hooked on Fishing Program

[\[View Action Details\]](#)

Start Date	July 1, 2010
End Date	June 30, 2011
Action Category	Education
Action Strategy	Student training

Action # 60049354 - Montana Aquatic Resource Education

[\[View Action Details\]](#)

Start Date	July 1, 2010
End Date	June 30, 2011
Action Category	Education
Action Strategy	Student training
