

**HENRYS FORK
COOPERATIVE WEED MANAGEMENT AREA
2010 ANNUAL OPERATING PLAN**

1) HFCWMA Bio-Control

General Summary:

During May – November , 2010 Weed Superintendents Bryce Fowler, Ben Eborn, Steve Hobley will purchase bio agents to help with our growing leafy spurge, yellow toadflax, purple loosestrife, Canada thistle and spotted knapweed problem. The infestations are in sensitive and remote. Some are hundreds of acres in size and are too difficult and dangerous to get into to spray. These areas are in Fremont, Teton, and Madison Counties. If these areas are not treated with bio-control agents they will continue to move across the landscape.

Measurable Outcomes

- Total estimated acres to be treated with biological agents: 850
- Total number of public contacts: 1,020
- Number of acres to inventoried: 12,000

Tools/Resources required for this priority: ATV's, trucks, and GPS units

Tools/Resources to be purchased with grant funds for this priority:

Leafy Spurge: (10-mixed, *Aphthona* spp.), (20- *Oberea erythrocephala*), (10-*Aphthona lacertosa*). Spotted Knapweed: (13- *Cyphocleonus achates*), (10 - *Larinus inutus/obtusus*) Yellow Toadflax: (13 colonies of *M. janthinus*), (10 colonies of either *B. pulicarius* or *G. antirrhini.*) Canada Thistle: (15- *Ceutorhynchus litura*) Purple Loosestrife: (15 *Galerucella californiensis*)

Total Cost \$20,585	Estimated Match \$ 8,361	ISDA Request \$12,225
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2) Henry's Fork Riparian Bio-control

General Summary: This is a cooperative project between the Henry's Fork Foundation and Harriman State Park. The project leader is Kim Ragoztkie. Between June and September 2010 bio-control insects for Canada thistle will be released along the Henry's Fork River in Harriman State Park, and the Sheridan Creek segment of Harriman. The sites to be treated are in sensitive riparian habitats thus herbicide control is not an acceptable option in these riverside locations. Seven release sites were established in 2009, but approximately four additional miles of riparian habitat are in need of bio-control establishment. Henry's Fork Foundation staff and volunteers will complete the bio-control releases and inventory additional areas of Harriman State Park and adjacent National Forest lands. Harriman State Park staff will continue treating Canada thistle, plumeless thistle, and spotted knapweed in the upland areas Milestone herbicide. There is enough herbicide remaining from the 2009 grant to complete the planned 2010 spraying.

Measurable Outcomes

- Total estimated acres to be treated with herbicide: **10**
- Total estimated acres to be treated with biological agents: **250**
- Total number of public contacts: **3,000**
- Number of acres to inventoried: **1,000**

Tools/Resources required for this priority: 4x2 Truck, backpack sprayers, GPS units, biocontrol release site markers.

Tools/Resources to be purchased with grant funds for this priority: Biocnotrols needed:

Ceutorhynchus litura - 40 colonies, *Urophora cardui* - 40 colonies.

Total Cost \$13,419	Estimated Match \$ 6,419	ISDA Request \$7,000
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3) Island Park-North Fork Initiative

General Summary: Priority 1 - Island Park-North Fork Initiative: During May 1 - November 15, 2010 Fremont County Weed Control (FCWC) will work directly with private landowners to provide education, technical assistance, and financial support to control “established” noxious weeds as well as “new invaders”. The established species include Spotted knapweed, Leafy spurge, and Canada thistle. The “new invaders” include Dyers Woad and Rush skeletonweed. The areas targeted for treatment are around Henrys Lake, Macks Inn, Ponds Lodge, Last Chance, Pine Haven, the Conant Creek Watershed, City of Ashton and the Fall River Watershed. Landowners that are capable of doing their own herbicide application will have the option to buy herbicide for half price and do the application themselves as match. For those landowners that

are not capable of doing the application the CWMA will provide the herbicide and county will complete the application. The landowner will pay the County \$15/ acre for the application. The balance of the true application costs will be County match. In both scenarios, the County will provide training on how to use the product and the proper application rates. The county will also make sure the spray equipment is calibrated correctly.

Measurable Outcomes

- Total estimated acres to be treated with herbicide: 800
- Total number of public contacts: 1,000
- Number of acres to be inventoried: 10,000

Tools/Resources required for this priority: ATV'S, Trucks, Backpacks

Tools/Resources to be purchased with grant funds for this priority: 65 gallons of Tordon, 65 gallons of Hi Dep, 10 gallons of Plateau, 30 gallons of Hasten, 70 gallons of Milestone, 50 gallons of Syltac, 96 oz of Telar, 84 gallons of 2-4D and 10 gallons of Roundup.

Total Cost \$167,105	Estimated Match \$ 108,096	ISDA Request \$50,000
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4) Forest Service and Madison County Chemical Purchase

General Summary: During April –November 2010 two entities will purchase chemical to treat noxious weeds on their lands. 1) Forest Service herbicide will be used to treat Mesa Falls, Cave Falls, and designated ATV corridors. Fremont County will be applying the chemical and Forest Service will cover labor costs. The Forest Service (Kyle Moore) will oversee the spraying activities in these areas. 2) Madison County will spray roadsides, right-of-ways, private pasture, educate and pursue infestation with canal companies along their right-of-ways, and identify abandoned and active gravel pits to survey and spray as needed for noxious weeds. The project will also treat private lands that boarder BLM and Forest Service Lands. ISDA funds will purchase chemicals to cost share with private landowners at 50 -50 rate. If Madison County applies the herbicide the custom spray rate will be \$15 per acre.

This project is needed to treat known noxious weed infestations in the Henrys Fork and Fall River Watersheds. Without treatment these weeds will spread rapidly across this recreational area.

Measurable Outcomes

- Total estimated acres to be treated with herbicide: 190 (Fremont), 350 (Madison)
- Total number of public contacts: 100 (Fremont), 950 (Madison)
- Number of acres to be inventoried: 1200 (Fremont), 5,000 (Madison)
- Number of acres for New Invaders: 50 (Madison)

Tools/Resources required for this priority: Trucks, ATV's, trailers, Backpacks, and GPS units

Tools/Resources to be purchased with grant funds for this priority: 47.5 gallons of Tordon, 207.5 gallons Hi-Dep, 30 gallons of Syl-Tac, 35 gallons of Milestone, 160 oz of Escort

Total Cost \$91,815	Estimated Match \$ 65,815	ISDA Request \$26,000
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5) Teton Basin, Targhee Forest

General Summary: The project area consists of the Teton Basin Ranger District, Targhee National Forest that lay within Idaho. These public lands have a multiple uses status. Objectives of this project are to contain, reduce and eliminate Leafy Spurge, Spotted Knapweed, Yellow Toadflax, Musk Thistle, and Canada thistle from becoming established on National Forest Service lands within the Henry Fork CWMA. A primary focus area is the Big Holes Mountains. Because of location of the Big Holes, this project complements ongoing weed control efforts within the Caribou-Targhee National Forest, Henry Fork CWMA, Upper Snake CWMA, Teton County, Madison, and Bonneville Counties within Idaho. Not doing this project will allows these noxious weeds to advance across the landscape.

Tools/Resources required for this priority: 1 crew leader 1-2 seasonal workers 2 1-ton pick-ups 1 with sprayer 2 ATV with sprayers, horses, horse pack sprayer, tack ATV trailers, 2 backpack sprayers ,1 transfer pump

Measurable Outcomes

- Total estimated acres to be treated with herbicide: 1,000
- Total number of public contacts: 80
- Number of acres to be inventoried: 1,000
- Number of acres for New Invaders: 50

Tools/Resources to be purchased with grant funds for this priority: Outpost 30 gal.; 2-4-D (Weedar) 25 gal.; Escort 1 lbs.; Bullseye 5 gal.; Slytax 5 gal.; No Foam 4 gal.; Palisades is requesting chemical to do a small portion in Henry Fork CWMA. Tordon/Outpost 10 gal.; 2-4-D 5 gal.; Escort 1 lbs. BIO-control *Rhinusa antirrhini* for yellow toadflax release location Tepee Creek.

Total Cost \$49,027	Estimated Match \$ 44,027	ISDA Request \$5,0000
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6) Snake River Corridor Project

General Summary: Between May and December 2010 the Madison County Weed Department will implement this Snake River Corridor Project. This property is former farm ground that has been sold and some work done to establish trees and grasses for wildlife. Property has 240 acres and is next to Henrys Fork of the Snake River. Property now has a very solid stand of Canada thistle and Musk Thistle. Absentee owners are committed to help in controlling the spread of the noxious weeds. Not doing this project assures the continued spread of the weed across the landscape. Doing the project open new opportunities the develop addition private landowners initiatives is the critical Snake River riparian habitat.

Measurable Outcomes

- Total estimated acres to be treated with herbicide: 240
- Total number of public contacts: 10

Tools/Resources required for this priority: ATV's, 4x4 pickup sprayer, water truck w/ pump transfer, GPS

Tools/Resources to be purchased with grant funds for this priority: 14 gal. Milestone, 3 gal syltac

Total Cost \$7,814	Estimated Match \$ 4,814	ISDA Request \$3,000
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7) Teton Knapweed & Thistle Control

General Summary: This project will be carried out between June – October 2010 by Teton County Weed Superintendent Ben Eborn. The objectives of this project are 1) educate landowners about identification and control of musk thistle, Canada thistle, and spotted knapweed; and 2) assist landowners with treatment through a cost-share program. This project targets these three weed species throughout Teton Valley, primarily on private land. Over the past ten years much of Teton Valley has been developed for residential purposes. As a result, there are thousands of idle and vacant lots and subdivisions. These areas become perfect for growing musk and Canada thistle and knapweed. This project will provide herbicide to landowners for control projects, in-kind match will be in the form of labor and equipment.

Measurable Outcomes

- Total estimated acres to be treated with herbicide: 1600
- Total number of public contacts: 65
- Number of acres to be inventoried: 1600
- Number of acres for New Invaders: 3

Tools/Resources required for this priority: ATVs with sprayers, 4x4 pickup with sprayer, backpack sprayers, and hand-held sprayers

Tools/Resources to be purchased with grant funds for this priority: 52 quarts of Milestone. This project will require quart bottles of Milestone and/or 1/2 gallon bottles of Forefront for the landowner cost-share program.

Total Cost \$17,605	Estimated Match \$ 13,605	ISDA Request \$4,000
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8) Teton Ridge Ranch Project

General Summary: This project will take place on the Teton Ridge Ranch East of Tetonia. Much of the property is in CRP and the remained is idle range land. A sizeable infestation of Spotted Knapweed and Musk Thistle were discovered in December, 2009. This project will be a cooperative effort between the Teton County and the landowner with the objective of quickly controlling the infestations before they reach the forest which borders the property on the East side. The project will include chemical and biological control methods.

Measurable Outcomes

- Total estimated acres to be treated with herbicide: 300
- Total estimated acres to be treated with biological agents: 100
- Total number of public contacts: 6
- Number of acres to be inventoried: 1,500

- Number of acres for New Invaders: 30

Tools/Resources required for this priority: 4x4 pickup, ATV sprayer, GPS

Tools/Resources to be purchased with grant funds for this priority: Bio-control agents for Spotted Knapweed: 10 colonies of *Larinus minutus/obtusus*, 10 colonies of *Cyphocleonus achates*. Approximately 5 gallons of Milestone herbicide.

Total Cost \$8,300	Estimated Match \$ 6,850	ISDA Request \$1,450
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9) Teton River Corridor Integrated Weed Management Project

General Summary: This landscape weed control initiative includes bio-control and chemical control of Canada thistle on private lands along the Teton River corridor in Teton Valley. The goals of the project include increasing control of Canada thistle in the Teton River riparian corridor and adjacent lands to improve wildlife habitat and reduce damage to important natural resources. Objectives include 1) releasing Canada thistle bio-agents at six locations along the Teton River from its headwaters downstream to Harrops Bridge and 2) purchasing herbicide for use on private lands along the Teton River corridor.

Measurable Outcomes

- Total estimated acres to be treated with herbicide: 1802
- Total estimated acres to be treated with biological agents: 120
- Total number of public contacts: 20

Tools/Resources required for this priority: Backpack sprayer, ATV w/ sprayer, GPS unit, 4x4 truck, sedan

Tools/Resources to be purchased with grant funds for this priority: Milestone herbicide 20 qts; Stem weevil (*Ceutorhynchus litura*) 12 colonies; Gall fly (*Urophora cardui*) 12 colonies

Total Cost \$6,734	Estimated Match \$ 3,534	ISDA Request \$3,200
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10) Monitoring ATV

General Summary: During April 2010 Madison County Superintendent Steve Hobley will purchase an ATV that will enable the CWMA to travel to sites and monitor and map weed infestations of concern, and also to travel to area's of Madison County that have never been explored/mapped before to aid in recording new invaders. It will also be used to distribute bugs in remote area's to support the biological program

Measurable Outcomes

- Total estimated acres to be treated with herbicide: 250
- Total number of public contacts: 80
- Number of acres to be inventoried: 1500
- Number of acres for New Invaders: 40

Tools/Resources required for this priority: Staff, truck, trailer

Tools/Resources to be purchased with grant funds for this priority: 1 ATV

Total Cost \$18,412	Estimated Match \$ 11,412	ISDA Request \$7,000
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11) Slide in Sprayer

General Summary: During May Fremont County Weed Superintend Bryce Fowler will purchase a 300 gallon slide in sprayer. It will be housed at the Fremont County Weed Shop. It will be used through out the HFCWMA to support noxious weed control. Also landowners will be able to use it as well.

Measurable Outcomes

- Total estimated acres to be treated with herbicide: 900
- Total number of public contacts: 500
- Number of acres for New Invaders: 20

Tools/Resources required for this priority: Truck

Tools/Resources to be purchased with grant funds for this priority: Slide in sprayer.

Total Cost \$14,840	Estimated Match \$ 11,340	ISDA Request \$ 3,500
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12) Sand Creek WMA Equipment Improvement

Project General Summary: Project leader is Duston Cureton, IDF&G. Sand Creek WMA weed spraying equipment is outdated. This project proposes to upgrade spray equipment that will benefit Sand Creek and the entire HFCWMA. Our current system is inefficient which is why we are asking for two new spray systems for our ATV's. Also, during our busy weed months, we have the ability to use three employees to

spray weeds but only 2 ATV's. An additional ATV would result in more acres sprayed both on our land but also more sprayed on other CWMA projects as well.

Measurable Outcomes

- Total estimated acres to be treated with herbicide: **200**
- Total estimated acres to be treated with biological agents: **50**

Tools/Resources required for this priority: IDF&G Staff

Tools/Resources to be purchased with grant funds for this priority: 1 additional ATV plus two new spray systems for our existing ATV's

Total Cost \$8,100	Estimated Match \$ 200	ISDA Request \$7,900
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13) Leafy spurge control with goat grazing

General Summary: This project will take place on Cartier Slough Wildlife Management Area WMA between 6/10/2010 – 9/10/2010. Goat grazing in conjunction with biological control insect releases, herbicide spraying will be used to control Leafy spurge. Cartier Slough WMA is owned by Idaho Department of Fish & Game (IDFG). The primary use is wildlife habitat and recreation. Participants will be IDFG, U.S. Bureau of Reclamation. Completing this significantly reduces the spread Leafy spurge seed in the Lower Snake River system. Not completing this project assures the spread of Leafy spurge to adjacent lands.

Measurable Outcomes

- Total estimated acres of acres to be grazed: 800
- Total estimated acres to be treated with herbicide: 100
- Total estimated acres to be treated with biological agents: 200
- Total number of public contacts: 100
- Number of acres to be inventoried: 1,000

Tools/Resources required for this priority: Trucks, ATVs , spray equipment, backpack sprayers, GPS units.

Tools/Resources to be purchased with grant funds for this priority: Herbicide: Krenite-S (fosamine ammonium) 20gal, Tordon 22K (picloram) 10 gal. Bio-agents: Oberea erythrocephala - 100 colonies, Spurgia esulae - 100 colonies. Aphthona spp: cyparissiae and lacertosa/czwalinae - 100 colonies each. 500 - 700 goats, herder, guard dogs.

Total Cost \$85,904	Estimated Match \$ 74,404	ISDA Request \$11,500
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14) Henrys Fork CWMA Mapper

General Summary: Between 4/1/2010 and 10/1/2010 Fremont County will hire a temporary employee to work 920 hours during the 2010 season. Tasks will include mapping New Invaders (Rush Skeleton, Dyers Woad and White Top), mapping bio-release sites, pre-mapping CWMA spray days, contacting landowners, to make them aware of their weed issue and will also help at the work day and spraying if needed. The areas of concern are around the St. Anthony Sand Dunes, Ashton Hill area/ Sudorus Hill areas, Fall River, Conant Creek and Bitch Creek.

Measurable Outcomes

- Total estimated acres to be treated with herbicide: 500
- Total number of public contacts: 1,000
- Number of acres to be inventoried: 15,000
- Number of acres for New Invaders: 1,000

Tools/Resources required for this priority: Truck, Supervisor, GPS unit, Computer, ATV

Tools/Resources to be purchased with grant funds for this priority: Wages

Total Cost \$51,077	Estimated Match \$ 38,577	ISDA Request \$12,500
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Total Cost of all priorities:	\$ 551,729.00
Estimated Match:	\$ 397,454.00
ISDA Request:	\$ 154,275.00
Administrative Fee:	\$ 7,713.75
Total (ISDA) Request:	\$ 161,988.75

INFORMATION AND EDUCATION PROJECTS

1) Madison County Education Project

General Summary. Create one page laminated information sheets to give to county residents to help educate about weeds. The sheets would have several photos and a brief description of Madison county weeds of concern and a contact number and address. Information will be given out at talks, meetings, county fairs and at individual homes as required.

Measurable Outcomes

- Total number of public contacts: 1000

Tools/Resources required for this priority: Staff time

Tools/Resources to be purchased with grant funds for this priority:

Total Cost \$2,000	Estimated Match \$1,500	ISDA Request \$500
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Total Cost of all priorities:	\$ 2000.00
Estimated Match:	\$ 1500.00
ISDA Request:	\$ 500.00
Administrative Fee:	\$ 25.00
Total (ISDA) Request:	\$ 525.00