



Montana Fish, Wildlife & Parks

1400 South 19th Avenue
Bozeman, MT 59718

June 3, 2009, 2009

TO: Governor's Office, Mike Volesky, State Capitol, Room 204, P.O. Box 200801, Helena, MT 59620-0801
Environmental Quality Council, State Capitol, Room 106, P.O. Box 201704, Helena, MT 59620-1704
Dept. of Environmental Quality, Metcalf Building, P.O. Box 200901, Helena, MT 59620-0901
Dept. of Natural Resources & Conservation, P.O. Box 201601, Helena, MT 59620-1601
Montana Fish, Wildlife & Parks:
Director's Office Parks Division Lands Section FWP Commissioners
Fisheries Division Legal Unit Wildlife Division Design & Construction
MT Historical Society, State Historic Preservation Office, P.O. Box 201202, Helena, MT 59620-1202
MT State Parks Association, P.O. Box 699, Billings, MT 59103
MT State Library, 1515 E. Sixth Ave., P.O. Box 201800, Helena, MT 59620
James Jensen, Montana Environmental Information Center, P.O. Box 1184, Helena, MT 59624
Janet Ellis, Montana Audubon Council, P.O. Box 595, Helena, MT 59624
George Ochenski, P.O. Box 689, Helena, MT 59624
Jerry DiMarco, P.O. Box 1571, Bozeman, MT 59771
Montana Wildlife Federation, P.O. Box 1175, Helena, MT 59624
Wayne Hurst, P.O. Box 728, Libby, MT 59923
Jack Jones, 3014 Irene St., Butte, MT 59701
Big Hole Watershed Committee, P.O. Box 931, Butte, MT 59703
Montana Trout Unlimited, P.O. Box 7186, Missoula, MT 59807
Erb Livestock Company, P.O. Box 1366, Dillon, MT 59725
Stanley Rasmussen, P.O. Box 620, Choteau, MT 59422

Ladies and Gentlemen:

The enclosed Environmental Assessment (EA) has been prepared for the proposed Big Hole River Streambank Stabilization and Grayling Habitat Enhancement Project.

This EA is available for review in Helena at FWP's Headquarters, the State Library, and the Environmental Quality Council. It also may be obtained from FWP at the address provided above, or viewed on FWP's Internet website:

<http://www.fwp.mt.gov>.

Montana Fish, Wildlife & Parks invites you to comment on the attached proposal. The public comment period will be accepted until July 3, 2009 @ 5:00 pm. Comments should be sent to the following:

Montana Fish, Wildlife & Parks
c/o Big Hole River Streambank Stabilization and Grayling Habitat Enhancement Project
730 N. Montana St.
Dillon, MT 59725
Or e-mailed to: plamothe@mt.gov

Sincerely,

Patrick J. Flowers
Region Three Supervisor

Environmental Assessment

Big Hole River Streambank Stabilization and Grayling Habitat Enhancement Project – Wisdom Reach



*Montana Fish,
Wildlife & Parks*

Environmental Assessment MEPA, NEPA, MCA 23-1-110 CHECKLIST

PART I. PROPOSED ACTION DESCRIPTION

1. **Type of proposed state action:** Montana Fish, Wildlife & Parks (FWP) is proposing to provide funding for and implement a project to stabilize approximately 140 feet of streambank directly upstream of the Highway 43 bridge near the town of Wisdom, MT. The streambank along the Big Hole River in the project reach is eroding in a direction, such that continued erosion will soon cause fencing along the reach to be destroyed. The erosion of this streambank is also having a negative impact on fish habitat and stream productivity in the area by degrading pool quality and contributing unusually high amounts of fine sediment that may fill interstitial spaces along the river bottom, negatively impacting macroinvertebrate abundance and fish egg survival. This reach of the Big Hole River was once considered important spawning habitat to fluvial Arctic grayling, but recent population monitoring has found only low densities of grayling suggesting that the habitat quality of this reach of river has declined in recent years. Densities of Arctic grayling have dropped in this reach from approximately 14 grayling per mile in 1986 to under one per mile in 2007 (FWP data). This reach of the Big Hole River also supports populations of brook trout, rainbow trout, brown trout, and mountain whitefish.

The proposed project will be implemented in the fall of 2009, most likely during the month of October to take advantage of baseflow conditions and the dormancy of native willows that will be used to revegetate the streambank. Project implementation at this time of year will minimize the turbidity that may be generated during project construction and maximize the survival of transplanted vegetation. The project will occur on both public and private land with about two-thirds (67%) of the project occurring on private land owned by John and Phyllis Erb and one-third (33%) occurring on public land owned by the state of Montana (Department of Transportation Easement). The project area lies within Township 2 South, Range 15 West, and Section 33.

In 2008, Confluence Consulting Incorporated (Confluence) was contracted by FWP to generate a project design that would allow for FWP to secure the necessary state and federal permits and allow for a fair, accurate project bid process for the construction phase of the project. The Montana Department of Transportation (MDOT) was contacted and consulted with during the design phase of the project which included a project site visit with representatives from FWP, MDOT, and Confluence. Representatives from MDOT reviewed the final design and stated support for the project.

The final design calls for building out the streambank approximately 10-15 feet from its current location. The toe of the streambank will be rebuilt with both rounded and angular cobbles with a maximum diameter of 12". This sized material is expected to remain stable at the maximum velocities expected during a 25-year flood event. The upper portion of the streambank will be rebuilt with native vegetation including sodmats and mature willow transplants transplanted from local borrow sources. Additional design information and drawings are included in the Appendices. The project will be protected by an agreement with the private landowner to not allow cattle in the pasture along the river until 2012. The landowner has created an access point for fisherman to navigate the riparian fence and encourages fishing on the property with permission. Access for

fisherman is also available at the Highway 43 Bridge under the Stream Access Law.

The project will be constructed during low flow conditions in the fall. In order to reduce turbidity levels downstream of the project site, water from the river channel will be diverted down a temporary bypass channel east of the project site. The bypass channel will be designed to accommodate streamflows of up to 135 cfs which is the highest streamflows recorded for that date at the USGS streamflow gaging station located approximately 500 ft downstream of the project location. The bypass channel will be reclaimed, all fill material will be restored and regraded, and disturbed vegetation will be replanted. The diversion of water into the bypass channel has the potential to affect the readings at the U.S. Geological Survey (USGS) streamflow gaging station (# 06024450) located downstream of the HWY 43 Bridge. The USGS will be notified prior to the start of project construction.

All fish stranded in the dewatered channel will be rescued by FWP field crews using a backpack electroshocker and placed in the main channel of the Big Hole River downstream of the project site. The project is expected to be completed in less than six days and will complement seven miles of stream habitat restoration projects completed in the area since 2006.

2. Agency authority for the proposed action:

FWP is required by law to implement programs that manage sensitive fish species in a manner that assists in the maintenance or recovery of those species, and that prevents the need to list species under 87-5-107 or the federal Endangered Species Act. Section 87-1-201(9)(a), M.C.A.

3. Name of project: Big Hole River Streambank Stabilization and Grayling Habitat Enhancement Project – Wisdom Reach

4. Name, address and phone number of project sponsor (if other than the agency):

5. Anticipated Schedule:

Estimated Construction Commencement Date: October 2009
Estimated Completion Date: October 2009
Current Status of Project Design (% complete): 100% complete

6. Location affected by proposed action (county, range and township):

This project will be conducted on the Big Hole River, located approximately 0.1 miles west of the community of Wisdom, MT within Township 2 South, Range 15 West, and Section 33 in Beaverhead County. (See Appendix 1 - Location Map)

7. Project size -- estimate the number of acres that would be directly affected that are currently:

	<u>Acres</u>		<u>Acres</u>
(a) Developed:		(d) Floodplain	<u>0</u>
Residential	<u>0</u>	(e) Productive:	
Industrial	<u>0</u>		

(existing shop area)		Irrigated cropland	<u>0</u>
(b) Open Space/ Woodlands/Recreation	<u>0</u>	Dry cropland	<u>0</u>
(c) Wetlands/Riparian Areas	<u><1</u>	Forestry	<u>0</u>
		Rangeland	<u>0</u>
		Other	<u>0</u>

8. Listing of any other Local, State or Federal agency that has overlapping or additional jurisdiction.

(a) Permits: The following permits are pending for the project:

<u>Agency Name</u>	<u>Permits</u>
Montana Fish, Wildlife & Parks	124 Permit
Department of Environmental Quality	318 Authorization
U.S. Army Corps of Engineers	404 Permit

(b) Funding:

<u>Agency Name</u>	<u>Funding Amount</u>
Montana Fish, Wildlife & Parks	\$46,000.00 (Design and Construction)
State Wildlife Grant (Federal dollars matched with State license dollars)	

(c) Other Overlapping or Additional Jurisdictional Responsibilities:

<u>Agency Name</u>	<u>Type of Responsibility</u>
Montana Department of Transportation	Care and maintenance of highway and bridge located near the project site.

9. Narrative summary of the proposed action or project including the benefits and purpose of the proposed action:

Montana Fish, Wildlife & Parks (FWP) is proposing to provide funding for and implement a project to stabilize approximately 140 feet of streambank directly upstream of the Highway 43 Bridge near the town of Wisdom, MT. The streambank along the Big Hole River in the project reach is eroding in a direction such that continued erosion will soon cause fencing along the reach to be destroyed. The erosion of this streambank is also having a negative impact on fish habitat and stream productivity in the area by degrading pool quality and contributing unusually high amounts of fine sediment that may fill interstitial spaces along the river bottom, negatively impacting macroinvertebrate abundance and fish egg survival. This reach of the Big Hole River was once considered important spawning habitat to fluvial Arctic grayling, but recent population monitoring have found only low densities of grayling suggesting that the habitat quality of this reach of river has declined in recent years. The benefits of the proposed action are: 1) channel morphology in this reach of the Big Hole River will be restored and fish habitat quality for Arctic grayling and other resident fish species will be enhanced; and 2) streambank stability will be restored, existing fence lines will be protected, and the need for more aggressive treatments in the future will be avoided.

- 10. Description and analysis of reasonable alternatives (including the no action alternative) to the proposed action whenever alternatives are reasonably available and prudent to consider and a discussion of how the alternatives would be implemented:**

Alternative A: No Action

If no action is taken, the streambanks along the Big Hole River will continue to erode leading to a loss of fence-lines on private and public land. The erosion will cause increased degradation of fish habitat from increased sediment loads in this reach of the Big Hole River. The continued erosion of the streambanks eventually will have to be addressed due to proximity to Highway 43 and the bridge structure spanning the Big Hole River. Waiting and addressing the issue in the future likely will make the remedy more costly and will likely require a restoration approach that places less consideration on fish habitat quality and more focus on protecting these important structures.

Alternative B: Alternative Action

Under this alternative, the eroding streambank would be armored with large rock (i.e., rip rap) to prevent further erosion of the streambank. Considerations to fish habitat would be diminished and fish abundance would likely not increase.

Alternative C: Proposed Action

The proposed alternative is to restore and enhance streambank stability and fish habitat along this short reach of the Big Hole River as described in this EA. The project will be constructed relatively quickly (less than six days) with little disruption to the local aquatic system. The enhancements will benefit the local population of Arctic grayling and the fishery as a whole in this reach of the Big Hole River. It is anticipated that this project will enhance angling opportunities and protect existing infrastructure (i.e., fence lines) into the foreseeable future.

PART II. ENVIRONMENTAL REVIEW CHECKLIST

3. Evaluation of the impacts of the Proposed Action including secondary and cumulative impacts on the Physical and Human Environment.

A. PHYSICAL ENVIRONMENT

1. <u>LAND RESOURCES</u> Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. **Soil instability or changes in geologic substructure?			X		Yes	1a.
b. Disruption, displacement, erosion, compaction, moisture loss, or over-covering of soil, which would reduce productivity or fertility?		X				
c. **Destruction, covering or modification of any unique geologic or physical features?		X				
d. Changes in siltation, deposition or erosion patterns that may modify the channel of a river or stream or the bed or shore of a lake?			X		Yes	1d.
e. Exposure of people or property to earthquakes, landslides, ground failure, or other natural hazard?		X				
f. Other:						

Comment 1a. Soils along the stream margin would be disturbed during construction of the project. The construction phase of the project will occur during fall baseflow conditions and “in the dry” as water from the existing channel will be diverted to a temporary channel during construction. The area will be reseeded with a native grass mix and sod mats and revegetated with local native willow species.

Comment 1d. Short-term increases in turbidity will occur during project construction. To minimize this dynamic, construction will occur at low flows, and the operation of equipment in the stream channel will be minimized to the extent practical. A 124 permit (Stream Protection Act) has been obtained from FWP (pending), a 404 Permit has been issued by the Army Corps of Engineers (pending), and a 318 Permit was issued by FWP in compliance with DEQ standards (pending).

2. <u>AIR</u> Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. **Emission of air pollutants or deterioration of ambient air quality? (Also see 13 (c).)		X				
b. Creation of objectionable odors?		X				
c. Alteration of air movement, moisture, or temperature patterns or any change in climate, either locally or regionally?		X				
d. Adverse effects on vegetation, including crops, due to increased emissions of pollutants?		X				
e. ***For P-R/D-J projects, will the project result in any discharge, which will conflict with federal or state air quality regs? (Also see 2a.)		X				
f. Other:						

3. <u>WATER</u> Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. *Discharge into surface water or any alteration of surface water quality including but not limited to temperature, dissolved oxygen or turbidity?			X		Yes	3a.
b. Changes in drainage patterns or the rate and amount of surface runoff?		X				
c. Alteration of the course or magnitude of floodwater or other flows?		X				
d. Changes in the amount of surface water in any water body or creation of a new water body?		X				
e. Exposure of people or property to water related hazards such as flooding?		X				
f. Changes in the quality of groundwater?		X				
g. Changes in the quantity of groundwater?		X				
h. Increase in risk of contamination of surface or groundwater?		X				
i. Effects on any existing water right or reservation?		X				
j. Effects on other water users as a result of any alteration in surface or groundwater quality?		X				
k. Effects on other users as a result of any alteration in surface or groundwater quantity?		X				
l. ****For P-R/D-J, will the project affect a designated floodplain? (Also see 3c.)		X				
m. ***For P-R/D-J, will the project result in any discharge that will affect federal or state water quality regulations? (Also see 3a.)		X				
n. Other:						

Comment 3a. Short-term increases in turbidity will occur during project construction. To minimize turbidity, construction will occur at low flows, and the operation of equipment in the stream channel will be minimized to the extent practical. A 124 permit (Stream Protection Act) has been obtained from FWP (pending), a 404 Permit has been issued by the Army Corps of Engineers (pending), and a 318 Permit was issued by FWP in compliance with DEQ standards (pending).

4. <u>VEGETATION</u> Will the proposed action result in?	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Changes in the diversity, productivity or abundance of plant species (including trees, shrubs, grass, crops, and aquatic plants)?		X				
b. Alteration of a plant community?		X				
c. Adverse effects on any unique, rare, threatened, or endangered species?		X				
d. Reduction in acreage or productivity of any agricultural land?		X				
e. Establishment or spread of noxious weeds?			X			4e.
f. ****For P-R/D-J, will the project affect wetlands, or prime and unique farmland?		X				
g. Other:						

Comment 4e. The project will include ground disturbing activities that may result in the establishment of noxious weeds. The potential for this dynamic to occur will be recognized and reduced by cleaning vehicles and equipment entering and leaving the project site. Also, only certified weed-free mixes will be used for reseeding of disturbed areas. A management plan is also being developed for the project site to control and eliminate noxious weeds after construction of the project.

** 5. <u>FISH/WILDLIFE</u> Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Deterioration of critical fish or wildlife habitat?		X				
b. Changes in the diversity or abundance of game animals or bird species?		X				
c. Changes in the diversity or abundance of nongame species?		X				
d. Introduction of new species into an area?		X				
e. Creation of a barrier to the migration or movement of animals?		X				
f. Adverse effects on any unique, rare, threatened, or endangered species?		X				
g. Increase in conditions that stress wildlife populations or limit abundance (including harassment, legal or illegal harvest or other human activity)?		X				
h. ****For P-R/D-J, will the project be performed in any area in which T&E species are present, and will the project affect any T&E species or their habitat? (Also see 5f.)		X				
i. ***For P-R/D-J, will the project introduce or export any species not presently or historically occurring in the receiving location? (Also see 5d.)		X				
j. Other:						

B. HUMAN ENVIRONMENT

6. <u>NOISE/ELECTRICAL EFFECTS</u> Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Increases in existing noise levels?			X		Yes	6a.
b. Exposure of people to serve or nuisance noise levels?		X				
c. Creation of electrostatic or electromagnetic effects that could be detrimental to human health or property?		X				
d. Interference with radio or television reception and operation?		X				
e. Other:						

Comment 6a. The proposed action includes the use of heavy equipment that may temporarily increase existing noise levels. All equipment will have properly functioning noise reduction equipment to limit the level of increase in noise.

7. <u>LAND USE</u> Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Alteration of or interference with the productivity or profitability of the existing land use of an area?		X				
b. Conflicted with a designated natural area or area of unusual scientific or educational importance?		X				
c. Conflict with any existing land use whose presence would constrain or potentially prohibit the proposed action?		X				
d. Adverse effects on or relocation of residences?		X				
e. Other:						

8. RISK/HEALTH HAZARDS	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
Will the proposed action result in:						
a. Risk of an explosion or release of hazardous substances (including, but not limited to oil, pesticides, chemicals, or radiation) in the event of an accident or other forms of disruption?		X				
b. Affect an existing emergency response or emergency evacuation plan, or create a need for a new plan?		X				
c. Creation of any human health hazard or potential hazard?		X				
d. ***For P-R/D-J, will any chemical toxicants be used? (Also see 8a)		X				
e. Other:						

9. <u>COMMUNITY IMPACT</u> Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Alteration of the location, distribution, density, or growth rate of the human population of an area?		X				
b. Alteration of the social structure of a community?		X				
c. Alteration of the level or distribution of employment or community or personal income?		X				
d. Changes in industrial or commercial activity?		X				
e. Increased traffic hazards or effects on existing transportation facilities or patterns of movement of people and goods?		X				
f. Other:						

10. <u>PUBLIC SERVICES/TAXES/UTILITIES</u> Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Will the proposed action have an effect upon or result in a need for new or altered governmental services in any of the following areas: fire or police protection, schools, parks/recreational facilities, roads or other public maintenance, water supply, sewer or septic systems, solid waste disposal, health, or other governmental services? If any, specify:		X				
b. Will the proposed action have an effect upon the local or state tax base and revenues?		X				
c. Will the proposed action result in a need for new facilities or substantial alterations of any of the following utilities: electric power, natural gas, other fuel supply or distribution systems, or communications?		X				
d. Will the proposed action result in increased use of any energy source?		X				
e. **Define projected revenue sources		X				
f. **Define projected maintenance costs.		X				
g. Other:						

** 11. AESTHETICS/RECREATION Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Alteration of any scenic vista or creation of an aesthetically offensive site or effect that is open to public view?		X				
b. Alteration of the aesthetic character of a community or neighborhood?			X		Yes	11b.
c. **Alteration of the quality or quantity of recreational/tourism opportunities and settings? (Attach Tourism Report.)		X				
d. ***For P-R/D-J, will any designated or proposed wild or scenic rivers, trails or wilderness areas be impacted? (Also see 11a, 11c.)		X				
e. Other:						

Comment 11b. The proposed action would negatively affect aesthetics during project construction because of ground disturbance and the presence of heavy equipment. These negative effects would be relatively short term since the project is expected to be completed over approximately a five-day period.

12. <u>CULTURAL/HISTORICAL RESOURCES</u> Will the proposed action result in:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. **Destruction or alteration of any site, structure or object of prehistoric, historic, or paleontological importance?		X				
b. Physical change that would affect unique cultural values?		X				
c. Effects on existing religious or sacred uses of a site or area?		X				
d. ****For P-R/D-J, will the project affect historic or cultural resources? Attach SHPO letter of clearance. (Also see 12.a.)	X					12d.
e. Other:						

Comment 12d. A cultural inventory of the site was conducted in 2006 by an archeologist (Brant Loflin) for the U.S. Fish and Wildlife's Partners for Fish and Wildlife Program. The findings that ground breaking activities would have no significant impact on cultural entities were submitted to the State Historic Preservation Office (SHPO) and the findings were concurred with on April 18, 2007. If any cultural artifacts are identified or disturbed during the construction of this project, all ground breaking activities will be halted and SHPO will be contacted immediately for guidance on how to proceed with the project.

SIGNIFICANCE CRITERIA

13. <u>SUMMARY EVALUATION OF SIGNIFICANCE</u> Will the proposed action, considered as a whole:	IMPACT *					
	Unknown	None	Minor	Potentially Significant	Can Impact Be Mitigated	Comment Index
a. Have impacts that are individually limited, but cumulatively considerable? (A project or program may result in impacts on two or more separate resources that create a significant effect when considered together or in total.)		X				
b. Involve potential risks or adverse effects, which are uncertain but extremely hazardous if they were to occur?		X				
c. Potentially conflict with the substantive requirements of any local, state, or federal law, regulation, standard or formal plan?		X				
d. Establish a precedent or likelihood that future actions with significant environmental impacts will be proposed?		X				
e. Generate substantial debate or controversy about the nature of the impacts that would be created?		X				
f. ***For P-R/D-J, is the project expected to have organized opposition or generate substantial public controversy? (Also see 13e.)		X				
g. ****For P-R/D-J, list any federal or state permits required.						13g.

Comment 13g. Federal or State Permits Required: 124 Permit - Montana Fish Wildlife & Parks; Department of Environmental Quality - 318 Authorization issued by FWP. 404 Permit issued by the U.S. Army Corps of Engineers.

2. **Evaluation and listing of mitigation, stipulation, or other control measures enforceable by the agency or another government agency:** None

PART III. NARRATIVE EVALUATION AND COMMENT

Addressed in Part I and Part II.

PART IV. PUBLIC PARTICIPATION

1. **Describe the level of public involvement for this project if any, and, given the complexity and the seriousness of the environmental issues associated with the proposed action, is the level of public involvement appropriate under the circumstances?**

The public will be notified through publication in The Dillon Tribune and The Montana Standard and through contact with the local watershed and sports groups. This EA will also be published on the Montana Fish, Wildlife & Parks web page (<http://fwp.mt.gov/default.html>). Public comments can be given at the FWP web page, or in writing to: Peter Lamothe, Montana Fish, Wildlife & Parks, 730 N. Montana St., Dillon, MT 59725, or email: plamothe@mt.gov. Comments on the EA will be accepted until 5:00 pm, July 3, 2009. This level of public involvement is believed adequate for the proposed project.

2. **Duration of comment period, if any.**

The public comment period for this proposed action is from June 3, 2009, to July 3, 2009. Written comment can be mailed to:

Peter Lamothe
Montana Fish, Wildlife & Parks
730 N. Montana St.
Dillon, MT 59725
E-mail: plamothe@mt.gov

PART V. EA PREPARATION

1. **Based on the significance criteria evaluated in this EA, is an EIS required? (YES/NO)? No**

If an EIS is not required, explain why the EA is the appropriate level of analysis for this proposed action. We conclude from this review that the proposed activities will have no significant impacts based upon the criteria at ARM 12.2.431 to determine the significance of an impact. Therefore, an EIS is not warranted.

2. **Name, title, address and phone number of the person(s) responsible for preparing the EA:**

Peter Lamothe – Fisheries Biologist

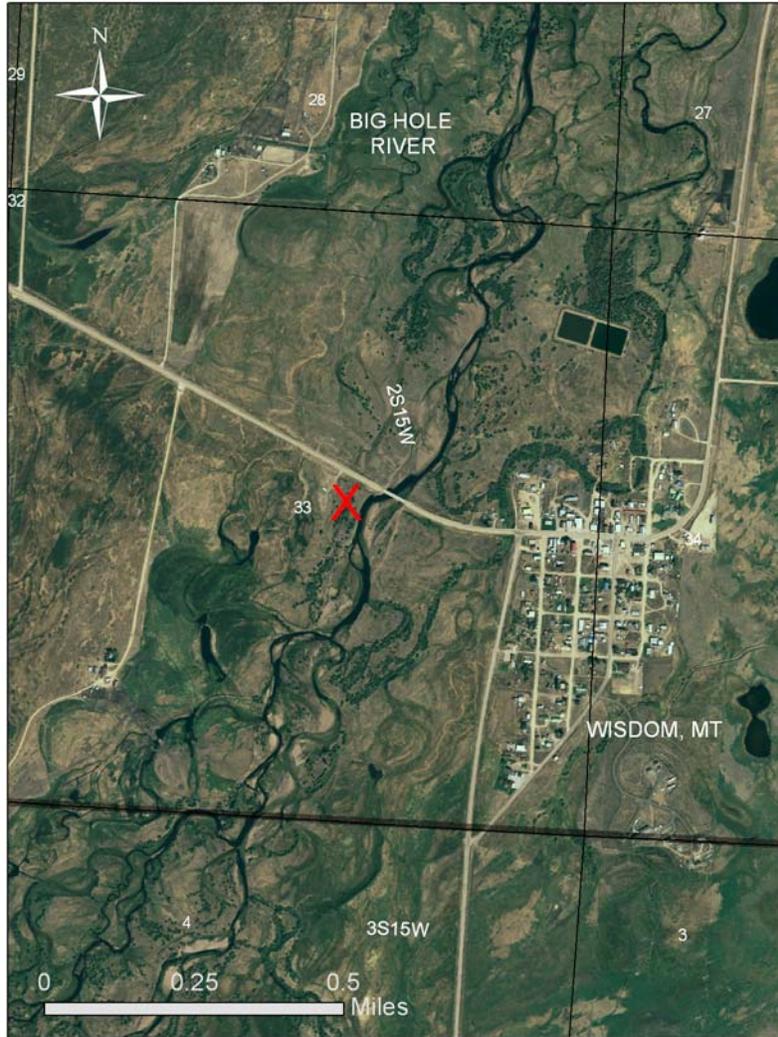
730 N. Montana St., Dillon, MT 59725
406-683-2287; plamothe@mt.gov

3. List of agencies consulted during preparation of the EA:

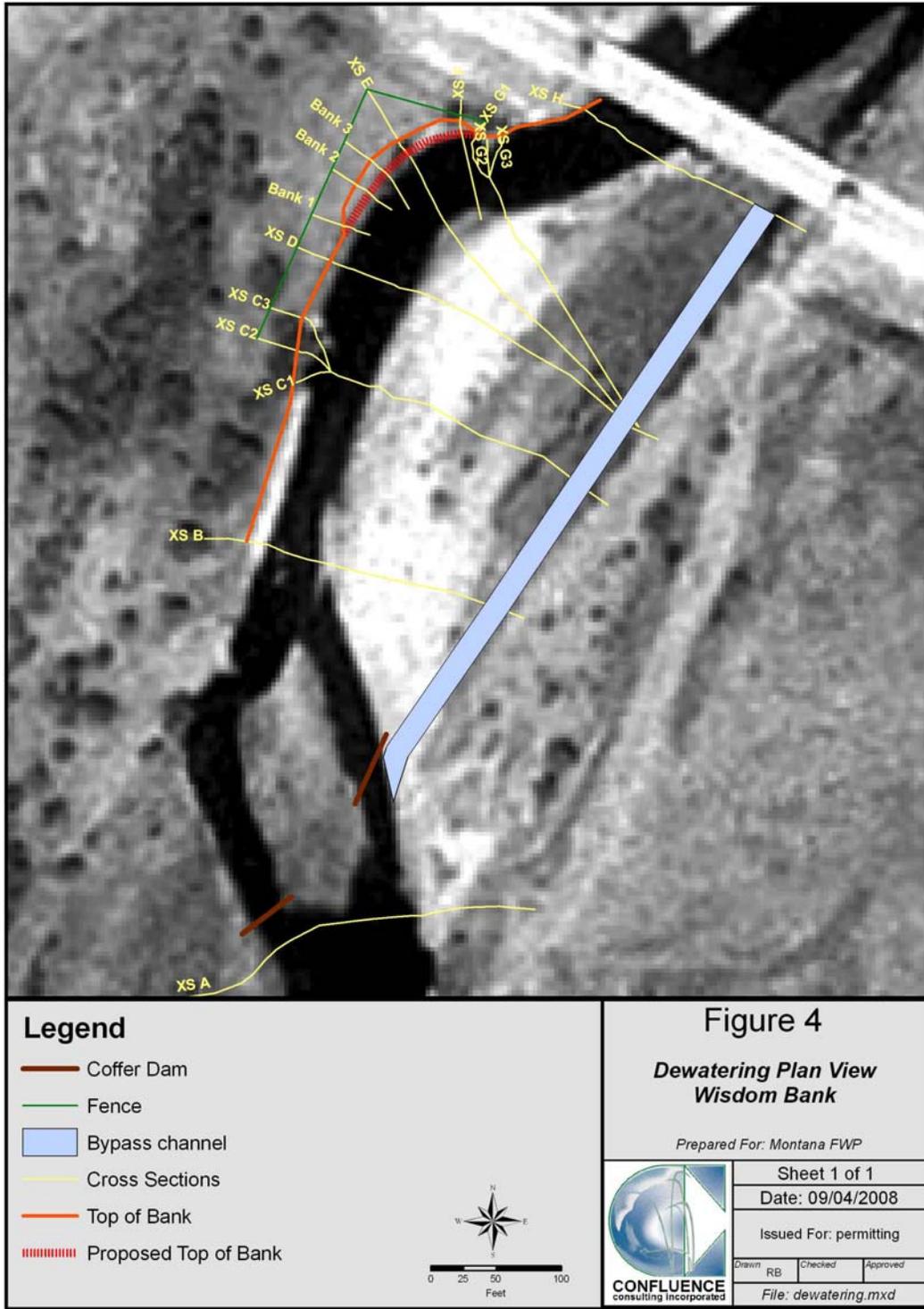
Montana Fish, Wildlife & Parks – Fisheries, Legal, and Administration and Finance Divisions

APPENDICES

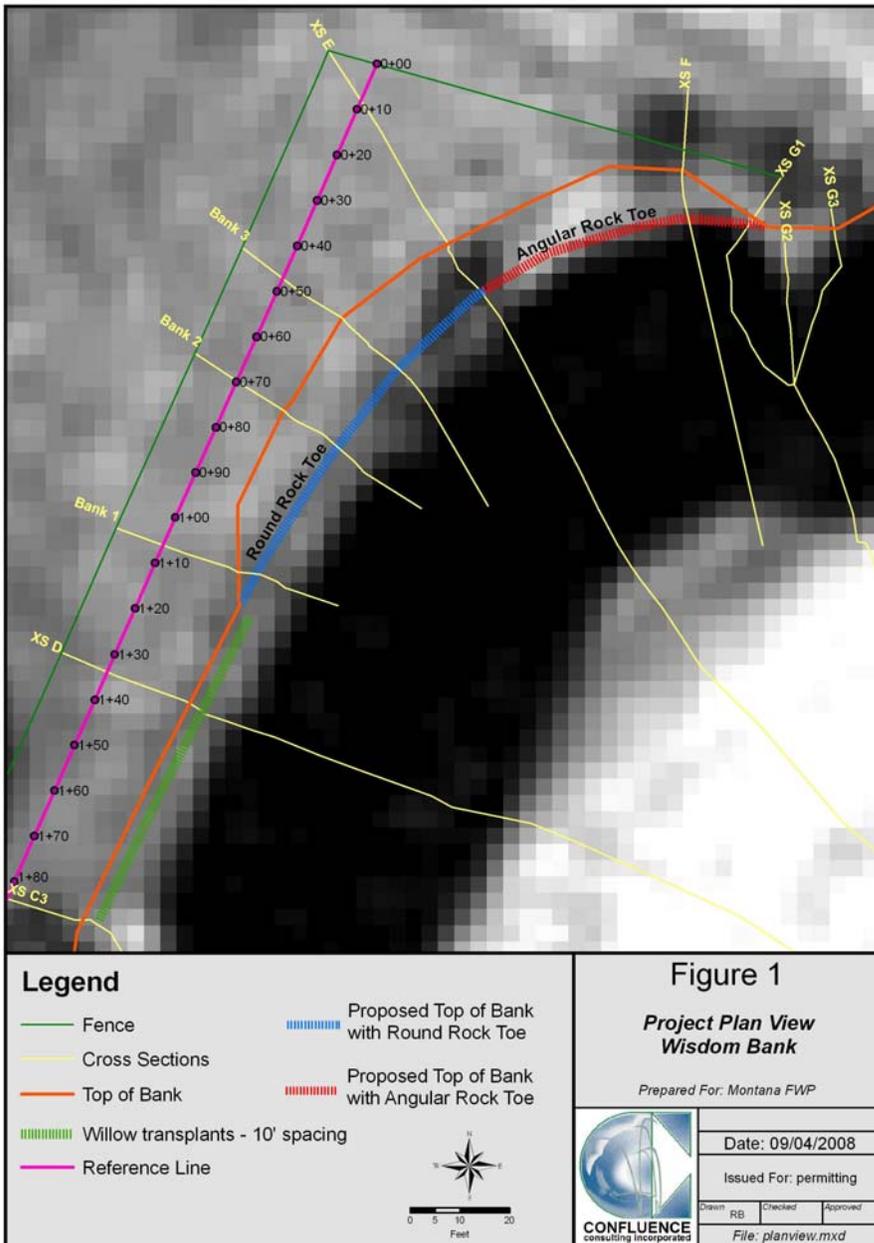
Appendix 1. Location map of the proposed action.



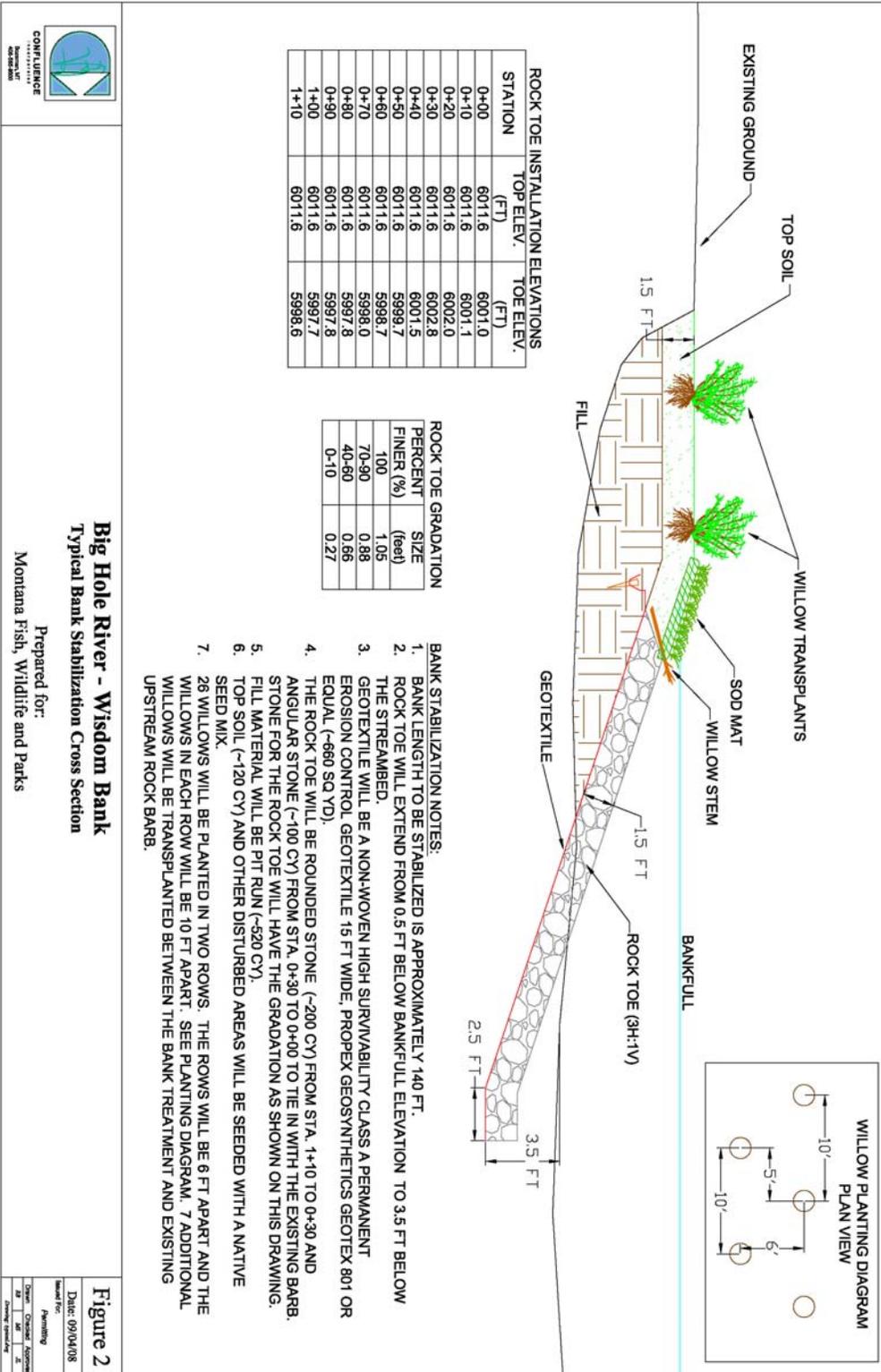
Appendix 2. Plan View of Project Site with temporary dewatering channel.



Appendix 3. Plan View of Project site.



Appendix 4. Typical Bank Stabilization Cross Section.



Big Hole River - Wisdom Bank Typical Bank Stabilization Cross Section

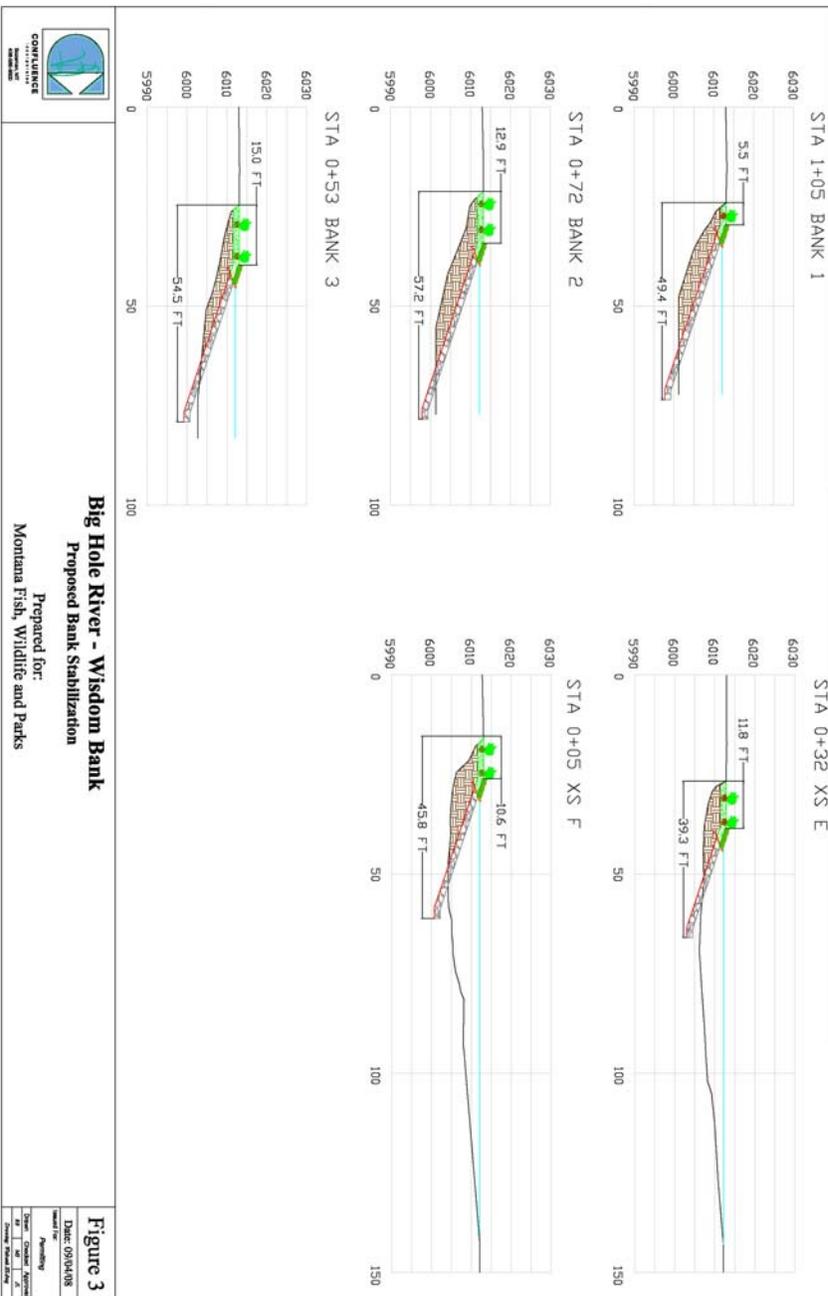
Prepared for:
Montana Fish, Wildlife and Parks

Figure 2

Date: 09/04/08

Author: [Name]
Checked: [Name]
Reviewed: [Name]

Appendix 5. Dimensions for Proposed Bank Stabilization



Appendix 6. Cross-section of temporary diversion channel.

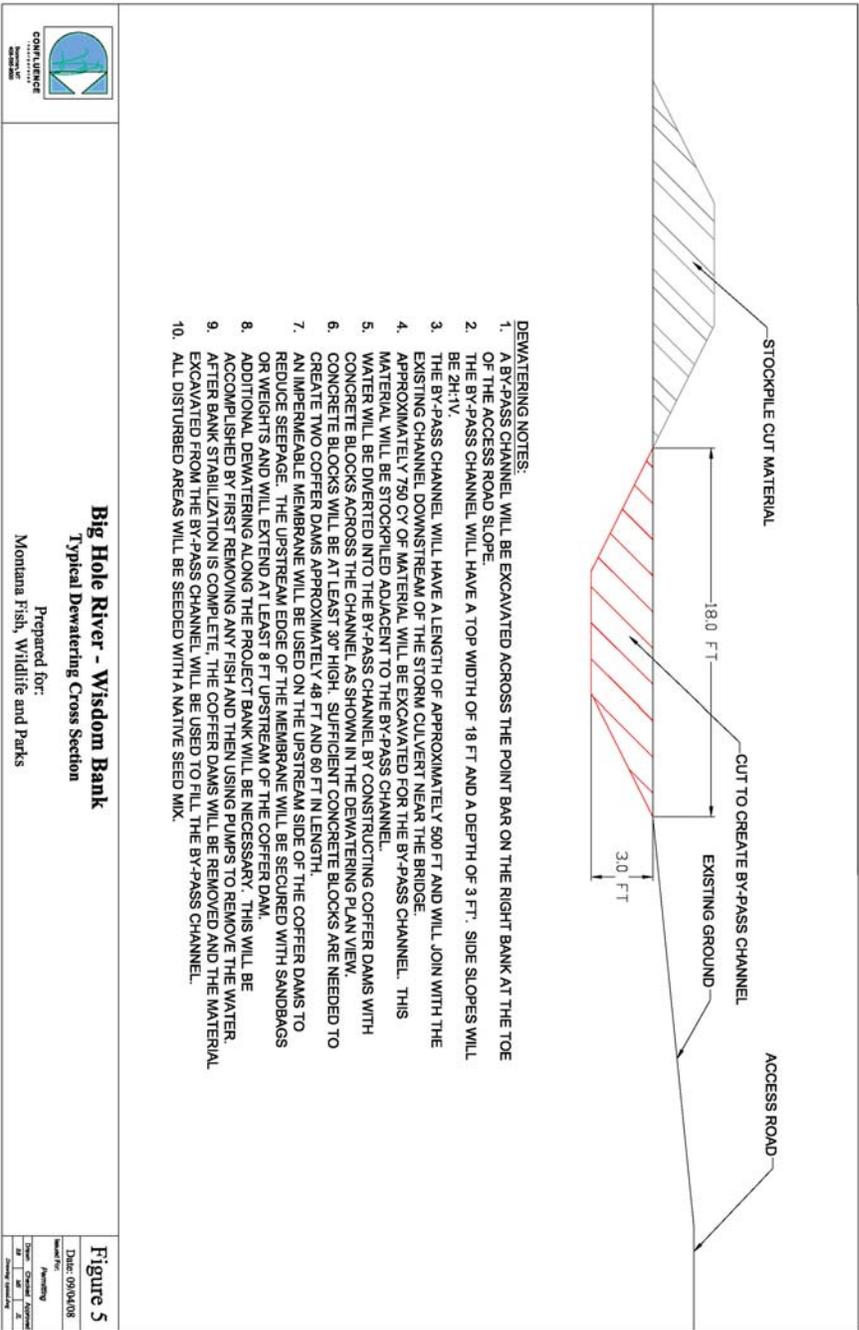


Figure 5
Big Hole River - Wisdom Bank
 Typical Dewatering Cross Section

Prepared for:
 Montana Fish, Wildlife and Parks

DATE: 09/04/08
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 APPROVED BY: [Name]

