

EXHIBIT 10
DATE Jan 28, 2011
HB 10

MANDEVILLE CREEK

Restoration and Community Education Project

Goals:

- Reduce flooding
- Enhance aquatic habitat
- Capture sediments
- Provide for pollution removal by vegetation
- Reduce thermal pollution
- Educate students, families, and the community



Public access, education, and development benefit:

- The most visible creek in Bozeman, with public access on both the High School and Montana State University campuses, restoration of Mandeville Creek underscores the diminishing condition of Bozeman's water resources and showcases the need to protect urban streams from cumulative effects.
- Offers unique educational value for 1800 9-12 students, Montana State University, and the thousands of students and parents who visit the High School from areas throughout Montana.
- Develops a living classroom within 20 feet from the front door of the school
- Develops an in-town fishing access, highlighting sound stewardship of urban water resources.

Water quality, fisheries, wildlife and preservation benefit:

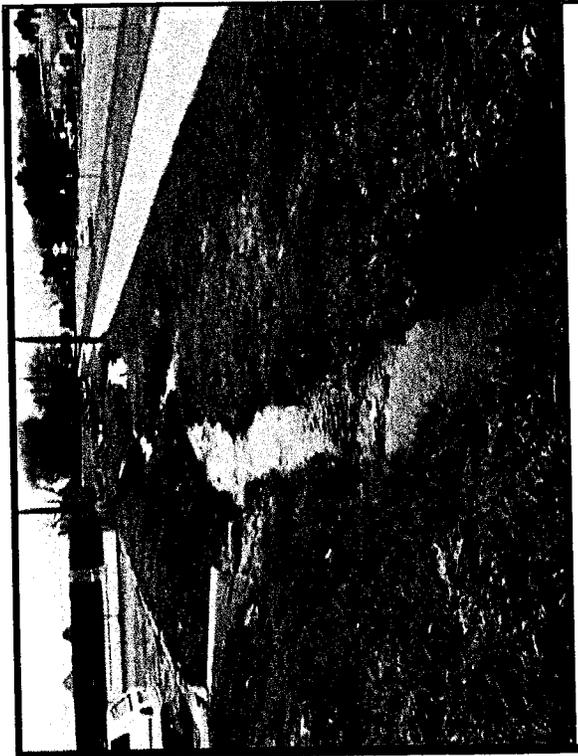
- Restores 2000 feet of highly channelized stream to a natural meander, promoting groundwater recharge and retaining water higher in the Missouri River basin.
- Creates an inset floodplain that improves water quality for downstream irrigators.
- Establishes a riparian vegetation corridor along an inset floodplain that provides bank stability, shading, overhead cover for fish and terrestrial wildlife habitat.

Conservation, management and taxpayer benefit:

- Improves management by reducing facility maintenance costs through decreased lawn mowing and fertilization, conserving taxpayer funds.
- Reduces the threat to newly-renovated Bozeman High School infrastructure due to ongoing bank erosion.
- Leverages \$63,300 in funds from the National Fish and Wildlife Foundation, Future Fisheries Program, Montana Trout Foundation and Bozeman School District #7.
- Builds upon an additional \$65,300 investment by Montana State University in upstream restoration. The project serves as phase II of restoration along the full length of Mandeville Creek.

For More Information Please Contact:

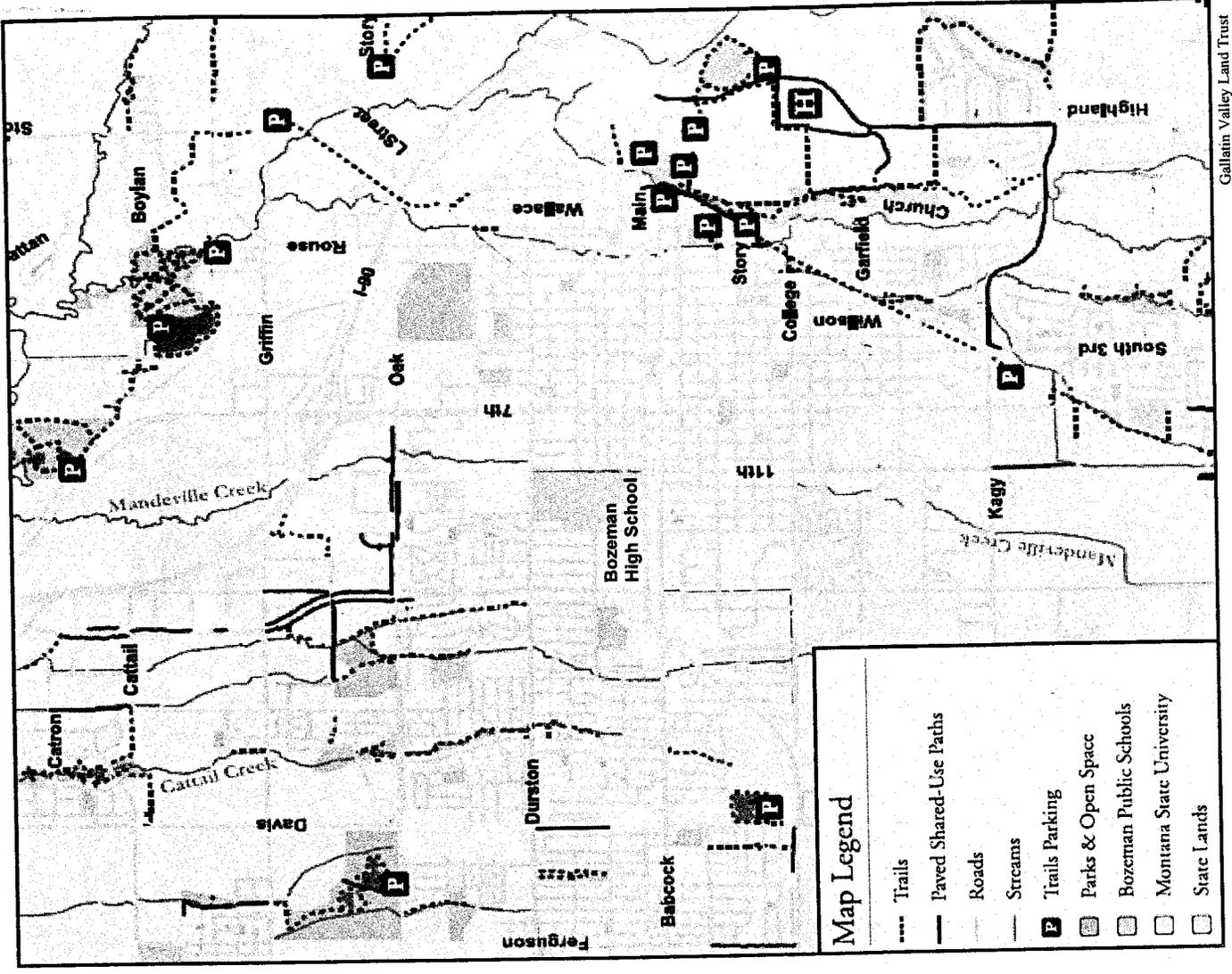
Peter Brown Mandeville Creek Restoration Work Group	580-3323
Robin Hompesch Wildlife Biology Teacher Bozeman High School	580-4789



Channelized reach of Mandeville Creek. Note: eroding tennis courts, sidewalk, and parking lot; direct discharge of stormwater from parking lot into stream.



Erosion associated with municipal infrastructure. Also note the lack of in stream cover provided by riparian vegetation.





Gallatin Local Water Quality District

1709 W. College Street, Suite 104 - Judge Guenther Memorial Center - Bozeman, MT 59715
406-582-3148 www.gallatin.mt.gov/GLWQD



May 14, 2010

Montana DNRC
Attn: RRGL Review Committee
Resource Development Bureau
P.O. Box 201601
Helena, MT 59620-1601

RE: Support for Mandeville Creek Restoration Project

Dear Grant Review Committee:

I'm writing to express support for the Mandeville Creek Restoration project proposed by the Bozeman High School District. I administer the Gallatin Local Water Quality District (GLWQD), a partner with the High School and others in the Mandeville Creek Restoration Work Group. The GLWQD is a non-regulatory department of Gallatin County charged with the mission of protecting and improving water quality in the Gallatin Valley.

The Mandeville Creek Work Group is a true community partnership, involving concerned natural resource professionals, community groups, agencies at all levels, and Montana State University. It came together in early 2006, recognizing the degraded state of Mandeville Creek and the need/opportunity for a collaborative effort to restore it. We defined the challenges, assembled as much data as existed, and formulated a vision for the restoration of the creek. Both conceptual and on-the-ground projects have taken place since then.

The exciting aspect of the proposed project is how it will take what appears to the general public and students to be an irrigation ditch and restore it to a meandering creek with native riparian plantings. Most important, the riparian habitat will provide buffering and filtering of stormwater runoff, reducing inputs of sediment, excess nutrients, and trace metals. This will improve water quality and aquatic habitat. Another exciting aspect to the proposed project is how the creek will be incorporated into the student curriculum providing an outdoor laboratory on school grounds, enhancing the learning experience for all students.

I would be pleased to visit with you about the Mandeville Creek restoration vision at any time. Please do not hesitate to call me at (406) 582-3148.

Sincerely,

Alan English
Manager

Our mission is to protect, preserve and improve the quality of surface water and ground water.



Greater Gallatin Watershed Council, Inc.

PO Box 751, Bozeman, MT 59771

May 13, 2010

Montana DNRC
1625 Eleventh Ave
Helena, MT 59620

Subject: Mandeville Creek Restoration and Community Education Project RRGL Grant
Application Letter of Support

To Whom It May Concern:

The mission of the Greater Gallatin Watershed Council (GGWC) is in part to promote conservation and enhancement of the water resources of the Gallatin River watershed. As Vice Chair of the Watershed Council, I am writing to add our voice in support of the Mandeville Creek Restoration and Community Education Project RRGL Grant Application.

We understand that this project will consist of the restoration of 2,000 feet of a degraded stream on the grounds of Bozeman High School. Recently, the GGWC undertook a restoration prioritization planning process in the Gallatin Watershed, and this project ranked in the top ten of all projects evaluated, which consisted of over 50 original project concepts and resulted in 28 ranked projects. The project rankings for the Mandeville Creek/Bozeman High School project were very high for anticipated benefits related to Water Quality, Direct Social Benefit, Overall Context, and Social Feasibility. This project stands apart from all other ranked projects due to its direct exposure to Montana's youth on a daily basis, and its potential for its use as an educational resource. As Bozeman High School is currently undergoing a major renovation directly adjacent to the creek, the timing is optimal for this project. Based on all of these factors, we see this effort as a worthy funding recipient from the RRGL grant program, and we strongly encourage your support.

Please do not hesitate to contact me at 703-855-8223 if you have questions or would like to further discuss the project.

Sincerely,

A handwritten signature in black ink, appearing to read "K. E. Bennett".

K. E. Purcie Bennett
Vice Chair

*Promoting conservation and enhancement of our water resources while supporting
the traditions of community, agriculture and recreation.*



May 10, 2010

Montana Department of Natural Resources & Conservation
PO Box 200505
Helena, MT. 59620-0505

To Whom It May Concern,

I am writing to express my full support for the efforts of the Mandeville Creek Community Education and Restoration Project on the Bozeman High School campus. Mandeville Creek is an important urban tributary to the East Gallatin River, a valuable trout stream. Because Mandeville Creek flows through both the Montana State University and Bozeman High School campuses, its restoration offers an unmatched educational opportunity for students and community members.

The mission of Trout Unlimited is to conserve, protect and restore North America's trout and salmon fisheries and their watersheds. Our Madison-Gallatin Chapter has worked to implement this mission since 1964. Historically, it is quite likely that Mandeville Creek was an important spawning and rearing habitat for native Westslope Cutthroat trout and other coldwater salmonids. At present, the degraded status of the Creek prevents its use as habitat.

Trout Unlimited has established the highly successful Trout in the Classroom Program, which teaches students about the trout lifecycle, water quality, and critical habitat. The opportunity for Trout Unlimited and the school working together to integrate the habitat component of that program into curricula using a stream on the high school campus is extraordinary.

A handwritten signature in black ink, appearing to read "Travis Morris". The signature is stylized and includes a long horizontal line extending to the right.

Travis Morris, President
Madison Gallatin Chapter Trout Unlimited

Appendix D: Letters of Support



May 14, 2010

DNRC
Resource Development Bureau
P. O. Box 201601
Helena, MT 59620

RE: Mandeville Creek Restoration and Community Education Project

With respect to the Mandeville Creek Restoration and Community Education Project, MSU Facilities Planning, Design and Construction Department would like to express support of future endeavors pertaining to Mandeville Creek. Montana State University recently finalized a University Master Plan, in which Mandeville Creek is a prominent feature of the west campus as well as proposed pedestrian circulation corridor.

The University in conjunction with the State of Montana committed approximately \$65,500 towards restoration of a 200 foot portion of Mandeville Creek in and around our new Animal Bioscience Facility project. The project, which began in 2008, includes returning a 75 foot culvert portion of the creek back to daylight, installation of a new pedestrian bridge as well as landscape work in the immediate vicinity. In the fall of 2008, the university completed a majority of the work at a cost of \$63,500. The balance of the project is expected to be completed in the summer of 2010 and will include restoring adjacent riparian area with native plantings, sod and trees.

We look forward to completion of the restoration and anticipated shift in ecological function of Mandeville Creek. The stream will become a valued campus amenity and possible teaching tool for university programs. We hope that community members and representatives will continue the beginnings of our efforts in an endeavor to increase the health of Mandeville Creek and its benefit to the surrounding community along its full course.

Sincerely,

Walter Banziger, AIA, LEED AP
Director, Facilities Planning, Design and Construction

Facilities Planning,
Design & Construction
Plew Physical Plant
P.O. Box 172760
Bozeman, MT 59717-2760
www.facilities.montana.edu/pcdc

Tel 406-994-5413
Fax 406-994-5665

WB/da

pc: Susan Agre-Kippenhan, Chair UFPB
Jon Ford, Environmental Services
Robert Lashaway, AVP University Services
Candace Mastel, FPDC
Victoria Drummond, FPDC



May 11, 2010

Montana Department of Natural Resources & Conservation
PO Box 200505
Helena MT 59620-0505

To Whom It May Concern:

Montana Watercourse is pleased to support the Mandeville Restoration & Community Education Project. The project will further the restoration efforts of this urbanized spring creek begun in 2006 by the Mandeville Creek Restoration Work Group, and will add the exciting component of involving students and the community at large in meaningful, real-world learning. Montana Watercourse (MTWC) is a grant funded, statewide water education program housed on the Montana State University campus in Bozeman. Our mission is to foster lifelong stewardship of Montana's water by providing educational programs and materials for all water users. MTWC partners with agencies, organizations, resource professionals, schools, water managers and others to provide tools and inclusive information for making wise water resource decisions through presentations, workshops, trainings, tours and publications.

Montana Watercourse is currently leading efforts for a Non Point Source Riparian/Wetland Buffer Education Program in targeted watersheds throughout the state. The Gallatin watershed is among the targeted watersheds, hence, plans are already underway to provide education to students and the greater community about the benefits of riparian/wetland buffers. The goals of MTWC's program dovetail with the educational components of this grant. MTWC commits to join the partners in this project by providing a variety of services that target the Bozeman School District population, and the Gallatin Valley community.

- 1) Coordinate, advertise and facilitate a "Mandeville Creek Festival". This all day festival for students and community will focus on benefits and attributes of restoration efforts to improve the riparian area. The festival will compare restored and non-restored areas of Mandeville Creek. Components of the festival will include aquatic habitat, non point source pollution control, and stream management and ecology.
- 2) Encourage and support local educators to join the network of Service Learning Projects in Montana schools. This will be accomplished via an educators' tour of the Gallatin watershed, including Mandeville Creek. Focus will be on restoration efforts within the watershed and will encourage partnerships with students, funding agencies and resource professionals to involve students in meaningful, real-life riparian/stream/wetland restoration projects.
- 3) Work with teachers to promote wetland/riparian buffer curriculum materials, correlated to the state science content standards. These activities will reinforce the restoration efforts and will include student water quality monitoring and activities involving hands-on restoration efforts on a portion of Mandeville Creek.
- 4) Provide a Riparian Education Trunk containing hands-on materials, activities and resources for use in classrooms and in outdoor settings. The trunk will be available on a free loan basis to schools, resource educators and other non-formal educators who work with students, and will include educational tools specific to Mandeville Creek.
- 5) Add links to the Educators' page of the MTWC website, www.mtwatercourse.org, that provide updated information about the Mandeville Creek Restoration Project and resources that educators will find helpful in teaching about restoration projects with students.

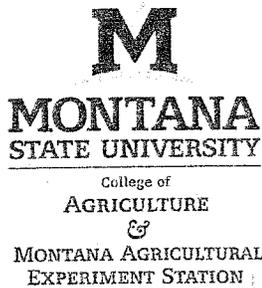
The federal match estimate for this involvement includes \$1,400 for supplies and \$2,100 in salary and benefits (105 hrs) for a total of \$3,500.

Montana Watercourse strongly encourages you to fund this project. The unique partnerships established in this project serve to widen the scope of the restoration to include valuable educational opportunities for members of the entire community, especially the next generation of decision makers.

Sincerely,

A handwritten signature in cursive script that reads "Debra Earl".

Debra Earl, Director



Department
of
Animal and Range
Sciences

230 Linfield Hall
P.O. Box 172900
Bozeman, MT 59717-2900

Tel (406) 994-2486
Fax (406) 994-5589
cmarlow@montana.edu

TO: Montana Department of Natural Resources, Renewable Resource Grant and Loan Program, PO Box 200505, Helena, MT 59620-0505

FR: Clayton B. Marlow, Animal and Range Sciences Department, Linfield Hall, Montana State University, Bozeman, MT

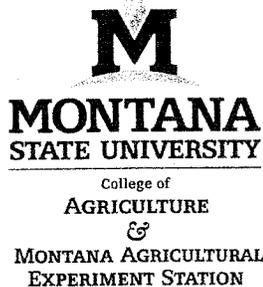
RE: Support for Mandeville Restoration and Community Education Project, Bozeman, MT

Date: 12 May 2010

A collation of Bozeman High School biology teachers and community activists has asked that I provide a letter of support for a proposal they have submitted to your program for potential funding support. I am excited to do so because the shared vision for this community based restoration effort on the urban stream that flows by our local high school. While the restoration effort will enhance the quality of life in Bozeman the corollary opportunity for synergism between secondary, post secondary and adult outreach education is worthy of support.

I teach a junior level course in riparian ecology and management (ARNR 345) at Montana State University each spring semester. This course includes a field laboratory that includes several exercises on the portion of Mandeville Creek that flows through the MSU campus. Learning activities center on a number of techniques for monitoring stream habitat and water quality. Student competence with each monitoring method is limited because there is only one short restored reach to compare to the non-functioning conditions along the 2,000ft reach following through campus. Montana State University students enrolled in my riparian ecology course can increase their proficiency with various monitoring techniques by working with Bozeman High School students and community volunteers to restore the downstream portions of Mandeville Creek that flow through the high school campus. First, MSU students can improve their proficiency with monitoring methodologies by assessing a second restored riparian corridor. Second, they can deepen their own understanding of the methodologies by mentoring Bozeman High biology and physical science students as they conduct inventories of water quality, channel and stream bank conditions and riparian vegetation recovery.

This project also provides a tremendous opportunity to do outreach education for representatives of the building trades, city and county planners and small property owners in the Gallatin Valley. The cumulative impact of these educational activities on water quality, riparian condition and wildlife habitat within Bozeman and surrounding suburban areas can be substantial because of the broad spectrum of city and county residents we can include in both the initial and expansion projects. This potential has already be recognized with partial funding from the National Fish and Wildlife Foundation; Montana Fish, Wildlife and Parks' Future Fisheries and



Department
of
Animal and Range
Sciences

230 Linfield Hall
P.O. Box 172900
Bozeman, MT 59717-2900

Tel (406) 994-2486
Fax (406) 994-5589
cmarlow@montana.edu

TO: Montana Department of Natural Resources, Renewable Resource Grant and Loan Program, PO Box 200505, Helena, MT 59620-0505

FR: Clayton B. Marlow, Animal and Range Sciences Department, Linfield Hall, Montana State University, Bozeman, MT

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Montana Trout Foundation. Additional support from DNRC's Renewable Resource Grants program would help the Mandeville Restoration and Community Education group secure the full amount to accomplish their restoration and education goals.

Thank you!

Bozeman High School Neighbors

c/o 502 North 11th Avenue
Bozeman, Montana 59715

Montana Department of Natural Resources & Conservation
PO Box 200505
Helena MT 59620-0505

May 10, 2010

Dear Montana DNRC:

I write on behalf of Bozeman High School neighbors in support of the Mandeville Creek Restoration and Community Education Project as a means to enhance the quality of the high school grounds for students and community alike. At present, the Creek is forlorn and underused resource that presents a rare educational opportunity about the impact of development on creeks in Gallatin County.

Despite its current condition, children love to play in the Creek, attempt to fish, and watch the muskrat family and ducks that are often present. Area dog walkers take advantage of the Creek and the shade of the few remaining cottonwoods—which get as much use as a few trees ever could—as they enjoy one of the ever fewer remaining 'rural corners' within town.

Bozeman High School neighbors envision a restored Creek as a tremendous asset to our neighborhood. As part of the school community, we would wish to showcase the Creek as an asset. Given the central location of the High School to the city of Bozeman, restoration of the Creek offers an outstanding opportunity to help educate students and community members about the value of riparian habitat and means to conserve riparian resources in our rapidly-developing town and county.

Further, we are excited for the Creek to serve as a teaching tool about what water means in an arid state. With the overwhelming majority of Montana's biodiversity concentrated in its riparian areas and streams, the proximity of the Creek to the High School presents an opportunity to create a living learning classroom.

Thank you for your attention.

Sincerely,

Abigail Breuer

Abigail Breuer
Chair



UNITED STATES SENATOR
WASHINGTON, D. C. 20510

MAX BAUCUS
MONTANA

January 15, 2010

Ms. Robin Hompesch
234 Kathryn Ct
Bozeman, Montana 59718-3660

Dear Robin:

It is my sincere pleasure to extend my congratulations to you on receiving a grant from the National Fish and Wildlife Foundation for improvements to Mandeville Creek. I understand that a lot of hard work has gotten you to this point, and you are to be commended. Water is an important resource here in Montana and teaching students to value the condition of our waterways is paramount.

Looking to the future, we will always face challenges that require the energy and dedication of our best and brightest. You are a shining example of how people can provide a positive influence and make an important difference.

I applaud your determination and commitment. Congratulations again!

Sincerely,



BOZEMAN HIGH SCHOOL

205 N. 11TH AVE.
BOZEMAN, MT 59715



May 5, 2010

Montana Dept. of Natural Resources & Conservation
1625 11th Avenue
Helena, Montana 59620-1601

Dear Grant Selection Committee:

Bozeman High School is requesting \$100,000 from DNRC's Renewable Resources Grant and Loan Program to restore 2,000 feet of Mandeville Creek. Flowing parallel to 11th Avenue through school property, Mandeville Creek is straightened, channelized, partially entombed, and devoid of riparian vegetation. Bozeman High School is renovating our former middle school next door for additional classroom space which will change the front entrance of our high school to 11th Avenue. Every day 1,800 Bozeman High School students along with parents, community members, and more than 250 staff will cross over Mandeville Creek to enter Bozeman High School.

When questioned about the value of the Gallatin or Madison Rivers, students quickly and strongly agree that these rivers must be protected and managed correctly. Yet, when questioned about our creek, students see it as nothing more than a ditch – what does it matter that it has trash from lunch or the bank is eroding. In fairness to our students, this disconnect is most likely due to the visual model they see daily which we have created by altering and disregarding this once beneficial aquatic and riparian habitat. My students do not understand the importance of all waterways and the cumulative effects of degraded tributaries on our “blue-ribbon” trout rivers. Educational research emphasizes the significant impact of real-world, problem-solving activities on high school students’ cognitive reasoning and emotional attitudes. Involving students in the restoration, monitoring, and management of Mandeville Creek will help to change these misconceptions. The creek restoration will be a significant experience for our students. Continued monitoring will share the creek restoration efforts with each new class entering our school. We will have a living laboratory right outside our front door.

To fund this project, we have received \$25,000 from the National Fish and Wildlife Foundation. Travis Morris, President of the Gallatin Madison Chapter of Trout Unlimited, will coordinate our volunteer workforce of TU members, teachers, parents, and students. Dr. Clayton Marlow, Montana State University, has committed his time and students from his Riparian Ecology & Management class to assist and mentor high school students. Montana Watercourse will assist us with curriculum development and monitoring protocol. With your help, and that of these other grant programs and the many student, faculty, and community volunteers who have committed to this project, restoration of Mandeville Creek will begin next summer. If I can answer any additional questions, please call me at Bozeman High School (522-6277) or at home (580-4789). Thank you for considering our proposal to restore Mandeville Creek at Bozeman High School.

Sincerely,

Robin Hompesch
Biology and Wildlife Ecology & Management Teacher

Robert Watson, Ed.D.Principal
Mike Ruyle.....Assistant Principal
Ken Gibson.....Assistant Principal
Randy Russell.....Activities Director
Carl Neely.....Dean of Students
Gary Corneer.....Dean of Students



Main Office.....(406) 522-6200
Fax/Main Office.....(406) 522-6222
Guidance Office.....(406) 522-6204
Finance Office.....(406) 522-6239
Attendance Office.....(406) 522-6243



BOZEMAN HIGH SCHOOL

205 N. 11TH AVE.
BOZEMAN, MT 59715



May 10, 2010

TO: Montana Department of Natural Resources and Conservation

RE: Letter of Support for Mandeville Creek Restoration and Community Education Project.

Dear Grant Committee,

I am writing today in support of the grant proposal you have received from Ms. Robin Hompesch, science teacher here at Bozeman High School. Ms. Hompesch is seeking support to help restore Mandeville Creek, which runs on the east side of our school.

Over time this creek has suffered a slow, continual degradation. Sections of the creek are unsightly and present a safety hazard for some of the elementary students who are waiting for the bus before and after school. Ms. Hompesch's proposal will make the creek safer for play and viewing by all students. In addition, restoring this creek would give our Science classes a viable fishery and aquatic laboratory for research and instruction.

We expect that students will participate in the design and restoration work of the creek. Getting students involved in the project will encourage a sense of ownership and ensure that students will help to maintain the project for many years. Also, our teachers will be committed to the project once they see the benefits of being able to use the creek as a natural laboratory.

In summary, this project will be a great benefit to not only our school, but also the entire Bozeman community. Restoration will provide an esthetically pleasing water way and serve as a sense of pride for our students and staff. Most importantly, we hope to pass on the following lesson to our students: protecting our natural resources is important and it is never too late for recovery and restoration.

Once the project is finished, I am confident that you will be proud to have your organization listed as a major supporting partner in our endeavor. Should you have questions or if you would like to discuss the project in more detail, please don't hesitate to contact me directly. Thank you for your consideration.

Sincerely,

Robert Watson, Ed.D.

email: robert.watson@bsd7.org

Robert Watson, Ed.D.	Principal
Mike Ruyle.....	Assistant Principal
Ken Gibson.....	Assistant Principal
Randy Russell.....	Activities Director
Carl Neely.....	Dean of Students
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