

# Funded Restoration Projects

## Anaconda-Deer Lodge City-County



### Anaconda Water Studies

Type: Restoration Project

Costs: \$107,771

Year(s) Funded: 2007

Status: Complete

Anaconda-Deer Lodge City-County has received approval to conduct a water metering study and a distribution system modeling study to prioritize and plan future water conservation activities and educate the public on the benefits of water metering.

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### Anaconda Waterline

Type: Restoration Project

Costs: \$13,598,044.00

Year(s) Funded: 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010

Status: Six projects complete; 2005 to 2009 underway

Anaconda-Deer Lodge City-County has received approval for seven projects to replace 50,246 feet of leaking waterlines in Anaconda and to install 2,150 feet of new waterline at Bowman airport. The Anaconda area has extensive groundwater contamination (over 40 square miles) caused by historic mining activities. By fixing leaking and corroded waterlines, these replacement projects will enhance the water supply from an uncontaminated source. Anaconda intends to continue water main replacement through 2011 and seek a total of about \$14 million in restoration funds.

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### **Blue-Eyed Nellie Moore Acquisition**

Type: Grant Funded Project

Costs: \$142,500

Year(s) Funded: 2009

Status: Underway

The Five Valleys Land Trust has received funding to transfer 30 acres of private property located seven miles west of Anaconda near Highway 1 to Montana's Fish, Wildlife and Parks. Included in the funding will be the initial startup and management costs for activities between the years 2010 and 2014. These cost would consists of fencing, weed control, native grass establishment, parking areas, and installation of signage. Fish, Wildlife and Parks will manage the property as the Blue-Eyed Nellie Wildlife Management Area. It is a key winter range and movement corridor for the Anaconda bighorn sheep herd.

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### **Developing Acid/Heavy Metal-Tolerant Releases**

Type: Monitoring and Research Project

Costs: \$672,644.00

Year(s) Funded: 2000, 2004, 2010

Status: Underway

The Bridger Plant Material Center, in partnership with the Deer Lodge Valley Conservation District, is researching and developing a seed supply of native plant species that demonstrate superior adaptation to the Anaconda Uplands area and other mining-impacted areas in the UCFRB. The Plant Center will produce and maintain foundation seed releases for distribution to commercial seed growers.

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### **Dry Cotton Creek Ranch**

Type: Project Development Grant

Costs: \$23,150

Year(s) Funded: 2009

Status: Complete

The Montana Water Trust received a project development grant to conduct a water study on ranchlands associated with the Dry Cottonwood Ranch near Galen. This study will determine irrigation flows, stream flows, groundwater levels, and information to assess irrigation efficiency and conversion into instream flow.



### **Hefner Dam**

Type: Project Development Grant

Costs: \$24,750

Year(s) Funded: 2010

Status: Underway

The Washoe Park Foundation with Camas Project Solutions received restoration funds to develop a plan to create recreational opportunities, preserve wildlife habitat, and open public fishing access to Hefner Dam in Anaconda. The 89-acre site located on the north side of the city of Anaconda and Hefner Dam is believed to have been constructed in the early 1900s. This area provides a small reservoir, springs, and dense riparian vegetation providing habitat for fisheries, water fowl, and other wildlife.

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### **Instream Flow Protection**

Type: Small Grant

Costs: \$25,000

Year(s) Funded: 2009

Status: Complete

Montana Trout Unlimited received funding to collect flow data on 10 to 15 tributary streams in the Upper Clark Fork River Basin to establish instream water rights. The goal is to prevent degradation of fisheries by establishing these water rights.

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### **Lost Creek Watershed**

Type: Restoration Project

Costs: \$518,382

Year(s) Funded: 2000

Status: Complete

The Department of Fish, Wildlife and Parks restored approximately 27 miles of Lost Creek, a significant tributary of the Upper Clark Fork River located northeast of Anaconda. The project improved water quality and fish and wildlife habitat through activities such as riparian fencing and grazing management, development of off-stream watering facilities, streambank stabilization and revegetation.



### **Meyers Dam Diversion**

Type: Project Development Grant

Costs: \$11,710

Year(s) Funded: 2002

Status: Complete

The Department of Fish, Wildlife and Parks designed a fish passage device and screen at Meyers dam located approximately three miles west of Anaconda.

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### **Opportunity Groundwater Injury Assessment**

Type: Project Development Grant

Costs: \$309,268

Year(s) Funded: 2001

Status: Complete

Between 2001 and 2005, Anaconda-Deer Lodge County evaluated water quality in Opportunity area wells to determine the need for a replacement water supply. Follow-up monitoring is now being conducted by EPA/ARCO.

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### **Stuart Mill Bay Acquisition**

Type: Restoration Project

Costs: \$2,000,000

Year(s) Funded: 2002

Status: Complete

Through the Conservation Fund, the state acquired the 363-acre Stuart Mill Bay property located along the southeast portion of Georgetown Lake for public ownership, use and management. The purchase, completed in 2003, acquired fish and wildlife habitat and public access for fishing, hunting, camping and other recreational uses.

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### **Stucky Ridge/Jamison Property Acquisition**

Type: Restoration Project

Costs: \$265,335

Year(s) Funded: 2008

Status: Complete

The American Land Conservancy acquired 76 acres of land located near Anaconda that was combined with 220 adjoining acres already purchased by Fish, Wildlife and Parks for wildlife habitat protection and public recreational access.

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### **Twin Lakes Diversion**

Type: Project Development Grant

Costs: \$11,056

Year(s) Funded: 2002

Status: Complete

The Department of Fish, Wildlife and Parks designed a fish passage device and screen at the Twin Lakes Creek diversion located about 12 miles west of Anaconda.

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### **Warm Springs Ponds Recreational Improvements**

Type: Small Grant

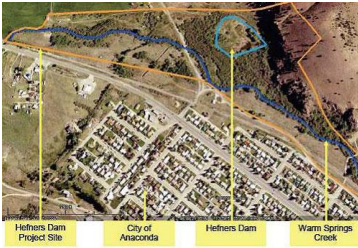
Costs: \$97,577

Year(s) Funded: 2008, 2009

Status: Underway

Montana's Fish, Wildlife and Parks has received funding to provide clean, useable sanitary facilities for the recreating public at the Warm Springs Ponds Recreation area on Silver Bow Creek, approximately 12 miles Northeast of Anaconda. This funding will make the following improvements: latrines, signage, picnic shelters, debris cleanup, parking lots, roads, a boat launch, and foot bridges. Currently Fish, Wildlife and Parks is responsible for maintaining existing recreational amenities and ARCO is responsible for weed control and funding for day-to-day management for five years.

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### **Washoe Park**

Type: Project Development Grant

Costs: \$25,000

Year(s) Funded: 2010

Status: Underway

The Washoe Park Foundation with Camas Project Solutions received restoration funds to develop a draft master plan to improve natural resource recreational opportunities at Washoe Park in Anaconda. Washoe Park is a 51-acre public park located on the northern side of the Anaconda. The park was constructed in 1890 and maintained until the 1980s.

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### **Watershed Land Acquisition**

Type: Restoration Project

Costs: \$5,831,904

Year(s) Funded: 2000, 2001

Status: Complete

Through the Rocky Mountain Elk Foundation, the state acquired 9,000 acres of prime wildlife habitat and recreational lands in the Garrity Mountain area between Anaconda and Georgetown Lake. The Department of Fish, Wildlife and Parks now owns and manages the property. The Elk Foundation also obtained federal funding of \$17.3 million to purchase an additional nearby 23,300 acres for public ownership under U.S. Forest Service management.

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### **West Side Ditch and Flow Study**

Type: Project Development Grant

Costs: \$50,000

Year(s) Funded: 2008, 2010

Status: Complete

The Westside Ditch Company (WSD) and the Upper Clark Fork River Basin Steering Committee have been funded to identify opportunities for increasing the flow to enhance the fishery of the Clark Fork River as a result of repairing leaks in the ditch, improving water management and/or changes in water use. West Side Ditch intends to install pumps and flow measuring devices along the reach.

# Granite County



## **Antelope and Wood Creek Riparian Management**

Type: Restoration Project

Costs: \$10,000

Year(s) Funded: 2001

Status: Complete

The Montana Chapter of Trout Unlimited completed the rehabilitation of overgrazed sections of Antelope Creek and its tributary, Wood Creek, through revegetation and plantings in 2002. The project will improve riparian habitat conditions, stream channel stability and westslope cutthroat trout habitat.

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## **Douglas Creek Recreation Area and Fishery**

Type: Project Development Grant

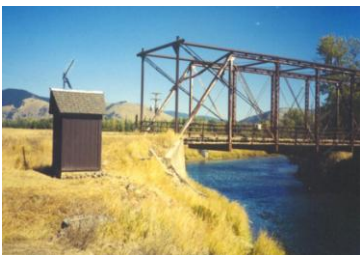
Costs: \$35,000

Year(s) Funded: 2001, 2004

Status: Discontinued

The Granite County Conservation District investigated the feasibility of rehabilitating the Douglas Creek Reservoir near Hall for a recreational fishery. This project was discontinued in 2004 when the landowner decided not to go forward with the transfer to public ownership.

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## **Flint Creek**

Type: Restoration Project

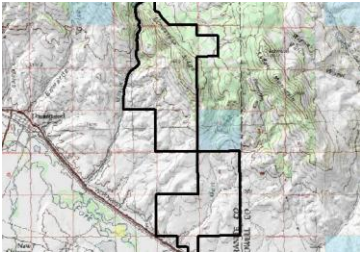
Costs: \$7,000

Year(s) Funded: 2006

Status: Complete

The Department of Natural Resources and Conservation reactivated a stream-flow gauge on Flint Creek near Drummond and collected continuous stream-flow data for the 2007 water year (October 2006-September 2007).

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### **Limestone Ridge**

Type: Restoration Project

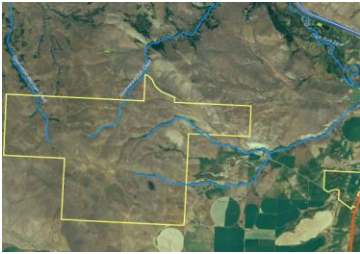
Costs: \$22,589

Year(s) Funded: 2009

Status: Complete

The Rocky Mountain Elk Foundation received restoration funds to develop a conservation easement on the 3,200-acre Radtke Ranch east of Drummond. A conservation easement on this property would permanently protect and enhance the property's conservation values and provide for public hunting and recreational access.

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### **Peterson Ranch Conservation Easement**

Type: Restoration Project

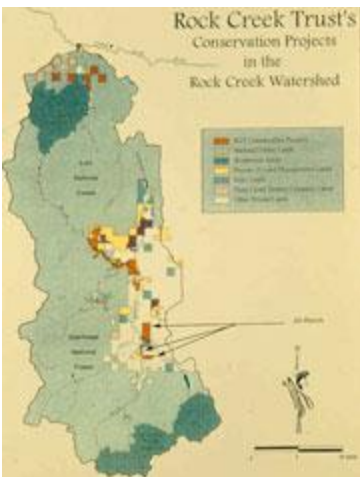
Costs: \$334,125

Year(s) Funded: 2009

Status: Underway

Five Valleys Land Trust received restoration funds to secure the easement of the 3,775-acre Peterson Ranch. The property is located five miles southwest of Drummond and will be used to permanently protect wildlife habitat, riparian habitat, soils, native grassland vegetation, and increase public recreation opportunities.

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### **Restoring Fish in East Fork Rock Creek**

Type: Restoration Project

Costs: \$370,000

Year(s) Funded: 2009

Status: Underway



The Montana Department of Natural Resources and Conservation received funds to improve the East Fork Rock Creek Fishery. The objective of this project is to install a fish screen to prevent fish from entering the Flint Creek main canal while allowing additional water to pass by the canal to prevent a dewatered reach of the creek.

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### **State of Georgetown Lake**

Type: Restoration Project

Costs: \$114,985

Year(s) Funded: 2007, 2008

Status: Some parts complete; others underway

The Granite Conservation District, Granite Headwaters Watershed Group, Georgetown Lake Homeowners' Association and Upper Clark Fork River Basin Steering Committee have been funded to plan and implement a three-year study of aquatic resources at Georgetown Lake.

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### **Upper Willow Creek Restoration**

Type: Restoration Project

Costs: \$307,758

Year(s) Funded: 2002, 2003

Status: Underway

The Department of Fish, Wildlife and Parks will enhance fish, wildlife and water resources in a 2.3-mile reach of Upper Willow Creek, a tributary of Rock Creek. The project mainly involves the design and construction of a new stream channel and banks, revegetation and grazing management.

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### **Z-4 Ranch Conservation Easement**

Type: Restoration Project  
Costs: \$10,000  
Year(s) Funded: 2000  
Status: Complete

With partial funding from NRDP, the Rock Creek Trust acquired a 2,100-acre conservation easement completed in 2001 on the Z-4 Ranch in the upper Rock Creek drainage. The easement applies to property that includes portions of the East and Middle Forks of Rock Creek and imposes restrictions on certain human activities in order to preserve open space, scenic beauty, fish and wildlife habitat and water quality, and to renaturalize the streams and their riparian zones.

## **Missoula County**



### **Bird-Banding Education Program**

Type: Education Project  
Costs: \$124,995  
Year(s) Funded: 2006, 2009  
Status: Complete

The Avian Science Center at the University of Montana is implementing a bird-banding education program in the Upper Clark Fork River Basin. This program will provide public education on the ecological effects of mining activities on habitat, birds and other wildlife in the Basin, showcase the kinds of projects now underway to restore these areas, and investigate the response of the birds to the restoration efforts.

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### **Bonner Pedestrian Bridge Replacement**

Type: Restoration Project

Costs: \$975,652

Year(s) Funded: 2006

Status: Complete

Missoula County replaced the county-owned Bonner pedestrian bridge across the Blackfoot River in Bonner.

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### **Madsen Easement**

Type: Restoration Project

Costs: \$25,000

Year(s) Funded: 2006

Status: Complete

The Five Valleys Land Trust will purchase a conservation easement on the 157-acre Madsen property located 0.5 miles above the confluence of Rock Creek and the Clark Fork River, in order to preserve, protect, enhance and restore the property's conservation values. Rock Creek bisects and borders about 4,500 feet of the property.

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### **Milltown Bridge Pier and Log Removal**

Type: Restoration Project

Costs: \$262,177

Year(s) Funded: 2009

Status: Underway

The Clark Fork Coalition and Montana Fish, Wildlife and Parks are receiving funding to complete restoration work on the Clark Fork and Blackfoot rivers. The project involves removing abandoned railroad bridge piers from the beds of both rivers and saw logs from the Blackfoot River.

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### **Milltown Education Project**

Type: Education Project Development Grant

Costs: \$23,914

Year(s) Funded: 2006

Status: Complete

The Watershed Education Network developed a curriculum and field trip program for Missoula and Anaconda area eighth-grade students and their teachers. Class presentations were supplemented by field trips to view the Milltown Dam site and the remediation and restoration activities.

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### **Milltown Land Acquisition**

Type: Restoration Project

Costs: \$595,628

Year(s) Funded: 2006, 2008

Status: Complete

The Clark Fork Coalition, in partnership with the Milltown Redevelopment Group, received funding to acquire about 415 acres of NorthWestern Corporation lands located near the confluence of the Clark Fork and Blackfoot rivers.

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### **Milltown Sediment Removal**

Type: Restoration Project

Costs: \$2,819,072

Year(s) Funded: 2006, 2007

Status: Complete

The Clark Fork Coalition will remove and dispose of an additional 560,000 cubic yards of contaminated sediment from the Milltown Reservoir.

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### **Milltown Two Rivers Recreational Facility**

Type: Restoration Project

Costs: \$2,663,749

Year(s) Funded: 2009

Status: Underway

Montana Fish, Wildlife and Parks, Milltown Superfund Redevelopment, and Missoula County received restoration funds to provide enhanced recreational access and facilities for the public. The funds will go towards acquiring 180 acres of land, developing accesses, trails, and user facilities, and Montana Fish, Wildlife and Park's operation and maintenance expenses for five years.

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### **Osprey Project**

Type: Project Development Grant

Costs: \$25,000

Year(s) Funded: 2008

Status: Complete

The Raptorview Research Institute and the University of Montana were funded to implement an osprey education program in the Upper Clark Fork River Basin (UCFRB). The Program provided instruction to "citizen scientists," teaching them how to monitor reproductive progress of osprey families along the Clark Fork River between Warm Springs Ponds and Milltown Reservoir. It also provided additional educational opportunities through field trips to the osprey nests and a summer day-camp at the Montana Natural History Center.

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### **University of Montana Database Planning**

Type: Monitoring and Research Project

Costs: \$9,550

Year(s) Funded: 2000

Status: Complete

The University of Montana completed the design of a web-based informational database for UCFRB restoration planners in 2002. NRDP has enlisted the assistance of the Montana Natural Resource Information System staff to further develop this database.

## Powell County



### **2008 Cottonwood Creek Flow Study**

Type: Project Development Grant

Costs: \$90,377

Year(s) Funded: 2008

Status: Complete

The Watershed Restoration Council received funding to collect data necessary to design and implement long-term restoration and conservation strategies on Cottonwood Creek.

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### **2010 Cottonwood Creek Flow Study**

Type: Project Development Grant

Costs: \$289,647.00

Year(s) Funded: 2010

Status: Underway

The Watershed Restoration Council received funding to improve in-stream flows, riparian habitat, fish passage and stream channel habitat for fish and other aquatic species through improvements and conservation strategies on Cottonwood Creek.

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### **East Deer Lodge Valley Watershed Restoration**

Type: Restoration Project

Costs: \$544,751

Year(s) Funded: 2001, 2003

Status: Complete

The Watershed Restoration Coalition of the Upper Clark Fork will improve water quality, riparian and upland wildlife habitat, and aquatic habitat and fisheries, and enhance existing recreational opportunities through implementation of agricultural best-management practices on 55,000 acres of rangelands on the east side of the Deer Lodge Valley between Warm Springs Ponds and Deer Lodge. The projects primarily involve development of off-stream watering facilities and grazing management and watershed assessment activities on 26 ranch properties that encompass seven Clark Fork River tributary drainages.

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### **Garrison Trail**

Type: Project Development Grant

Costs: \$24,974

Year(s) Funded: 2008

Status: Underway

The Watershed Restoration Council received funding to gather information to produce a conceptual design for an approximately 10-mile long trail system to improve recreational opportunities from Deer Lodge to Garrison Junction.

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### **Johnson/Cottonwood Creek Outdoor Education Center**

Type: Restoration Project

Costs: \$633,015

Year(s) Funded: 2006, 2007

Status: Underway

In coordination with planning for flood mitigation measures, Powell County received funding to design and construct recreational and educational infrastructure enhancements on the one mile reach of Cottonwood Creek that flows through the city of Deer Lodge. Features include a greenway trail to improve and expand public access to the creek, handicapped-accessible fishing platforms and an outdoor education center to enhance natural resource based recreational and educational opportunities in the Deer Lodge Valley.

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### **Little Blackfoot River**

Type: Project Development Grant

Costs: \$266,044

Year(s) Funded: 2002, 2003, 2006

Status: Monitoring on-going

The Deer Lodge Valley Conservation District collected data and developed design plans for stream channel reconstruction, stream-bank revegetation and grazing management strategies to restore two, 2.5-mile degraded reaches of the Little Blackfoot River near Garrison and Elliston. Funding to restore the reach near Elliston was approved in 2006.

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### **Little Blackfoot River Flow**

Type: Project Development Grant

Costs: \$25,000

Year(s) Funded: 2006

Status: Complete

Montana Water Trust, in partnership with the Little Blackfoot Watershed Group, will assess stream flows in a nine-mile stretch of the Little Blackfoot River between Avon and Elliston, and the impacts of converting irrigation water rights to in-stream use.

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### **Lower Little Blackfoot River Flow Study**

Type: Small Grant

Costs: \$25,000

Year(s) Funded: 2007

Status: Complete

The Pat Barnes Chapter of Trout Unlimited received \$25,000 to measure the flow rates upstream and downstream of 11 irrigation diversion sites and two tributaries on an approximately 12-mile stretch of the Little Blackfoot River between Avon and Garrison.

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### **Manley Ranch Conservation Easement**

Type: Restoration Project

Costs: \$608,048

Year(s) Funded: 2000

Status: Complete

The Department of Fish, Wildlife and Parks acquired a conservation easement in 2001 on 3,416 acres on the Manley Ranch, located near Drummond in the headwaters of Morris Creek, a tributary of the Clark Fork River. This easement imposes restrictions on certain human activities including timber harvest, ranching and development in order to preserve fish and wildlife habitat, open space and scenic views, and provides for guaranteed public access of 350 hunter-days.

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### **Otter Distribution**

Type: Project Development Grant

Costs: \$24,982

Year(s) Funded: 2009

Status: Underway

The University of Montana is receiving funds to perform a study documenting the status and distribution of otters in the Upper Clark Fork River Basin. Otter signs will be catalogued and an assessment of current habitat conditions will be made. Researchers will also collect information on mink, beaver, and muskrat populations in the area.

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### **Paracini Pond Property Acquisition**

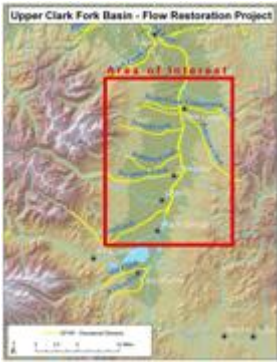
Type: Project Development Grant

Costs: \$1,201,905

Year(s) Funded: 2008, 2009

Status: Underway

The George Grant Chapter of Trout Unlimited was funded to complete the tasks necessary to acquire the 272-acre Paracini Pond property, which includes a 30-acre pond and about a mile of the Clark Fork River. The Paracini Pond property is nine miles south of Deer Lodge and will be subject to remedial and possible restoration actions.



### **Racetrack Creek Flow Restoration**

Type: acquisition  
Costs: \$500,000  
Year(s) Funded: 2010  
Status: Underway

The Clark Fork Coalition is proposing to purchase water rights to maintain and enhance instream flows for the benefit of the fishery resource in Racetrack Creek.

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### **Spotted Dog**

Type: acquisition  
Costs: \$16,574,009.00  
Year(s) Funded: 2010  
Status: Acquisition complete; O & M on-going

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### **Vanisko Conservation Easement**

Type: Project Development Grant  
Costs: \$20,140  
Year(s) Funded: 2007  
Status: Complete

Montana Fish, Wildlife and Parks received funding to develop a conservation easement on the 7,201-acre Vanisko Ranch located in the East Deer Lodge Valley.

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## Butte-Silver Bow City-County



### **Basin Creek Dams Rehabilitation**

Type: Restoration Project

Costs: \$503,006

Year(s) Funded: 2003

Status: Complete

Butte-Silver Bow rehabilitated the Basin Creek Reservoir System, which provides 35 percent of Butte's annual water supply. The Butte area has extensive groundwater contamination caused by historic mining activities. By fixing this reservoir system, this project enhanced the water supply for Butte water users from an uncontaminated source.

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### **Basin-Wide Wetland/Riparian Mapping**

Type: Restoration Project

Costs: \$71,400

Year(s) Funded: 2006

Status: Complete

The Montana Natural Heritage Program will conduct wetland/riparian area mapping in the Upper Clark Fork River Basin from Butte to Drummond.

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### **Big Butte Property Acquisition**

Type: Restoration Project

Costs: \$687,842

Year(s) Funded: 2004, 2005

Status: Underway

Butte-Silver Bow has acquired the majority of the approximately 350-acre Big Butte property adjacent to Butte's urban corridor for public recreational use and open space.

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### **Big Hole Diversion Dam Replacement**

Type: Water Supply

Costs: \$3,714,833

Year(s) Funded: 2008

Status: Complete

Butte-Silver Bow has received funding to replace the Big Hole Diversion Dam during the 2010 construction season.

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### **Big Hole River Pump Station Replacement**

Type: Water Supply

Costs: \$3,500,000

Year(s) Funded: 2010

Status: Underway

Butte-Silver Bow has received funding to replace the Big Hole pump station that delivers river water diverted at the dam to the treatment plant at Felley Hill and then to Butte and Rocker for domestic water uses.

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### **Big Hole Transmission Line**

Type: Restoration Project

Costs: \$8,721,882

Year(s) Funded: 2007, 2008, 2009, 2010

Status: Years 1 and 2 complete; Years 3 and 4 Underway

Butte-Silver Bow received funding to replace 55,000 feet of the Big Hole Transmission Line. Approximately 70% percent of Butte's water supply comes from the Big Hole River, which is 22 miles south of Butte.

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### **Big Horn Environmental Revegetation**

Type: Restoration Project

Costs: \$110,800

Year(s) Funded: 2000

Status: Complete

In 2001, Big Horn Environmental improved wildlife habitat along the first mile of Silver Bow Creek through the planting of woody and wetland plants in the floodplain and the addition of organic matter to backfill materials. Project monitoring continues.

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### **Browns Gulch Education**

Type: Project Development Grant

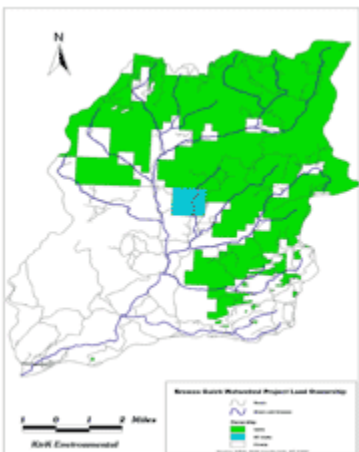
Costs: \$17,602

Year(s) Funded: 2007

Status: Complete

The Mile High Conservation District has been funded to implement a pilot stream restoration project in the Browns Gulch watershed to be used for educational purposes.

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### **Browns Gulch Watershed Assessment**

Type: Project Development Grant

Costs: \$143,404

Year(s) Funded: 2004

Status: Complete

The Watershed Restoration Coalition of the Upper Clark Fork and Mile High Conservation District will assess natural resources in the Browns Gulch watershed to establish baseline conditions and prioritize

habitat, water quality and stream flow restoration needs. This assessment work would occur over two years and result in an implementation guideline plan for improving water, fish and wildlife resources.

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**Butte Metering**

Type: Restoration Project  
Costs: \$273,600  
Year(s) Funded: 2008  
Status: Underway

Butte-Silver Bow has received funding to implement an incremental voluntary water metering and public awareness program.

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**Butte Water Master Plan**

Type: Restoration Project  
Costs: \$174,634  
Year(s) Funded: 2005  
Status: Complete

Butte-Silver Bow will prepare a water master plan to identify and prioritize future water system needs. Components of the plan include water demands, water supplies and facilities. The master plan is intended to serve as the guide for implementing major capital improvements.

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**Butte Waterline**

Type: Restoration Project  
Costs: \$17,414,083  
Year(s) Funded: 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010  
Status: Six projects complete; other projects underway

Butte-Silver Bow has received approval for nine projects to replace 169,252 feet of leaking waterline in Butte. The Butte area has extensive groundwater contamination caused by historic mining activities. By fixing leaking and corroded waterlines, these replacement projects will enhance the water supply from an uncontaminated source. Butte-Silver Bow intends to continue water main replacement for 15 years total and seek about \$19 million total in restoration funds.

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### **Children's Fishing Pond**

Type: Project Development Grant, Full Project

Costs: \$1,225,000.00

Year(s) Funded: 2008, 2010

Status: PDG Complete; Full Project Underway

Butte-Silver Bow and Skyline Sportsmen's Association has received funding to develop and maintain a children's fishing pond and passive recreation area within the Butte urban corridor.

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### **Clark Fork Watershed Education Program**

Type: Education Project

Costs: \$698,801

Year(s) Funded: 2003, 2004

Status: Complete

Montana Tech has developed and is implementing a Clark Fork Watershed Education Program over three years for primary and secondary school children and teachers in 29 schools from Butte to Bonner. Each phase of the program includes student and teacher training in the classroom and the field. Students will use Silver Bow Creek and the Clark Fork River as large-scale outdoor laboratories in a field science program.

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### **Duham Property Acquisition**

Type: Restoration Project

Costs: \$1,668,557

Year(s) Funded: 2003, 2005

Status: Complete

Through the Greenway Service District, the state acquired the 1,800-acre Duhome property along Silver Bow Creek in Durant Canyon. The property has prime upland game winter forage areas and offers an array of recreational opportunities and is now part of the Mt. Haggin Wildlife Management Area.

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### **German Gulch Watershed**

Type: Project Development Grant

Costs: \$925,712

Year(s) Funded: 2002, 2004, 2005

Status: Underway

The George Grant Chapter of Trout Unlimited developed a restoration proposal to improve fish and wildlife habitat and recreational access in the lower five miles of German Gulch. This proposal is currently being implemented.

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### **High Service Tank Replacement**

Type: Restoration Project

Costs: \$1,192,802

Year(s) Funded: 2004

Status: Complete

Butte-Silver Bow will replace the 2.5 million gallon High Service drinking-water storage tank with a new pre-stressed concrete tank. The present tank is in poor condition with large cracks in the walls and in the columns that support the roof.

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## **Lower Browns Gulch Management**

Type:

Costs: \$25,000

Year(s) Funded: 2009

Status: Underway

The Watershed Restoration Coalition in a joint effort with Natural Resource Conservation Service and Clark Fork Coalition. They are receiving funds to study options for increasing instream flows in Lower Browns Gulch by improving irrigation water management on the Ueland Ranch. The objective is to maximize irrigation methods for irrigation water management on the Ueland Ranch and to improve water quality and quantity in the gulch.

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## **Maud S Canyon Trail / Open Space**

Type: Recreation

Costs: \$62,040

Year(s) Funded: 2010

Status: Underway

The East Ridge Foundation in cooperation with the U.S. Forest Service is funded for the development of a loop trail system at Maud S Canyon and the protection of surrounding land.

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## **Ramsay School Watershed and Ecosystems**

Type: Education Project

Costs: \$16,151

Year(s) Funded: 2004

Status: Complete

The Montana Bureau of Mines and Geology will develop and implement an education project that teaches primary school students about the watershed and the ecosystem in the Ramsay area. Students will use the nearby Silver Bow Creek as a outdoor classroom to learn about mining impacts before and after remediation/restoration activities are conducted.

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## **Restoration Native Plant Diversity**

Type: Restoration Project

Costs: \$628,175

Year(s) Funded: 2008

Status: Underway

Montana Tech has been funded to evaluate ways to increase native plant species diversity in areas impacted by mining activities.

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## **Silver Bow Creek Greenway**

Type: Restoration Project

Costs: \$15,564,924

Year(s) Funded: 2000, 2001, 2002, 2005, 2006, 2007, 2008, 2009

Status: Some parts complete; others underway

The Greenway Service District is developing a recreational greenway trail corridor and restoring aquatic and riparian resources along eight miles of Silver Bow Creek downstream from Butte. The Greenway effort involves similar activities along the entire 22-mile Silver Bow Creek stream corridor between Butte and Warm Springs Ponds over a 10 to 12 year period at a total estimated cost of approximately \$22 million.

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## **Thompson Park Improvement Project**

Type: Restoration Project

Costs: \$988,402

Year(s) Funded: 2007

Status: Underway

In cooperation with the U.S. Forest Service, Butte-Silver Bow received funds to improve recreational opportunities in Thompson Park near Butte and to improve natural resources along Blacktail Creek, a tributary to Silver Bow Creek.