

Entity	Project Description	Total Project Cost	WQIF Grant Award
2007			
Pueblo City - County Health Department	The project provided educational outreach to community members and stakeholders on best management practices to minimize the potential water quality impacts of leaking or failing septic systems and agricultural runoff.	\$39,730	\$28,885
Palmer Lake Sanitation District	Wastewater collection line expansion to eliminate health hazards from failed septic systems. Failure to repair these systems would likely result in pollution of Monument Creek/Fountain Creek.	\$325,000	\$21,664
Colorado Foundation for Agriculture	This project encourages middle school students to become watershed defenders and protect Colorado's waters from runoff pollution. It provides them with information on sources of water pollution and encourages personal action to prevent non point source pollution.	\$75,000	\$21,655.
2008			
City of Commerce City	Commerce City storm water staff coordinated with permitted industrial dischargers to develop a spatial database. This database will allow Commerce City staff to begin identifying pollutants within their jurisdiction. This will allow the City to focus water quality mitigation activities on specific pollutant issues and at specific storm water outfalls.	\$38,000	\$36,072
Idalia Sanitation District	Construction of wastewater treatment plant improvements that will minimize the increasing levels of nitrates in the Ogallala groundwater. Without these improvements contamination of drinking water wells would have been likely.	\$396,869	\$27,054
League of Women Voters of Colorado Education Fund	The project will print the "Understanding Water Quality Activities Book" which will be used in many elementary and middle school classrooms as the text book on water. This book will also complement many of the science kits being used in elementary schools. The objective of the book is to educate on pollution runoff and its prevention	\$60,000	\$30,335
2009			
Department of Natural Resources	The goal of this project is to reduce the amount of pollution, in the form of excess sediments and chemicals, reaching the Arkansas River. The WQIF helped implement the public education component of this project by producing professional grade signs that will be posted along the river. The signs will inform the public about the pollution concerns and measures that have been taken to prevent the pollution from harming the water quality in the river.	\$796,500	\$24,980
Colorado Foundation for Agriculture	This project will incorporate all the pollution prevention educational materials that have been produced over the years into the Colorado Content Standards. The educational materials have been partially paid for by CDPHE NPS funds and WQIF and have been incorporated in and enriched the science curricula of middle and high schools in Colorado.	\$286,000	\$8,421
2010			

City of Delta	This project is the first phase of a \$6.9 million project at the City of Delta's wastewater treatment facility that has a capacity of 2.45 million gallons per day. The overall project maintains primary clarification, adds a new parallel rotating biological contactor (RBC), provides a new secondary clarifier, and uses an innovative effluent river diffuser to meet water quality standards. The Phase 1 Effluent Diffuser project has an estimated capital cost of \$999,000 and additional phases will be pursued in the future to upgrade the remaining. As a result of the project the plant will meet revised discharge limits of E. Coli, total residual chlorine, total ammonia, and dissolved copper and selenium limitations.	\$999,000	\$33,400
Woodmen Hills Metro District	This project addresses the Paint Brush Hills Wastewater Treatment Facility which is a complete-mix lagoon process utilizing three lagoons and is not currently able to consistently meet BOD removal requirements largely due to a lack of detention time. This project includes placing an existing out of service pond (#3) into service in order to extend detention time and provide greater BOD reduction. Components include placement of a synthetic liner, equipping the pond with surface aerators and associated piping and inlet/outlet appurtenances. As a result the project will help meet permit conditions.	\$400,000	\$44,500
2011			
Mountain Water & Sanitation District	The project includes the development of a preliminary engineering report and other engineering design activities for meeting future discharge permit limits of BOD, TSS, ammonia, and nitrogen, which will improve the overall condition of the watershed. The existing RBC plant is nearing the end of its design life and will not be able to meet future discharge permit limits.	\$2,300,000	\$44,534
Hot Sulphur Springs, Town of	This project consists of improvements or replacement of the aeration system and improvements to the existing wastewater lagoon treatment system, resulting in benefits of reduction of BODs and solid loading into the Colorado River. The Town is also responding to C&D Order MO-100426-1 of April 26th, 2010. This segment was impacted by a WQ violation due to improper management of SW by Colorado Regional Construction.	\$550,000	\$33,401
Department of Natural Resources, Division of Reclamation, Mining and Safety	Mine related characterization and TMDL Implementation. This includes Hough Mine, Pennsylvania Mine, St. John Mine, and Cinnamon Gulch	\$1,346,000	\$33,401
2012			
AGC Colorado	Develop Training for "Compliance Starts at the Top Executive Buy-In Program" Develop Website Resources for USMS Advanced Stormwater Manager Students Conduct USMS Construction Site Compliance Basic Training Conduct USMS Construction site Compliance Manager Training	\$83,750	\$50,000
Coal Creek Watershed Coalition	The project consists of a stormwater and roadway BMP training, which includes proper selection, installation and maintenance of stormwater BMPs.	\$3,540	\$2,260

Red Rocks Community College	The project consists of a two-day training program focused on the Stormwater Program legal requirements including: erosion and sedimentation on constructions sites, permitting, Stormwater Management Plans, a wide range of BMPs for specific drainage and site conditions to control erosion and sedimentation, permitting, the duties of the SWMP Administrator, the installation of stormwater controls and the inspection and maintenance of those controls.	\$17,568	\$14,868
Steamboat Springs, City of	In partnership with Yampatika the project will include providing public education, training and outreach on BMPs in Stormwater Management to youth, adults, property managers through their HOA, architects, builders and the general public. Activities will provide both targeted and broad education about best BMPS and the human dimensions of stormwater pollution programs.	\$10,652	\$7,652
Cherry Creek Stewardship Partners	Develop a project referred to as the "The low impact Development Water Quality Demonstration Garden". The goal of the project is to display a suite of green infrastructure practices that will target the removal of key pollutants including two rain gardens with different infiltration media a bioswale, a hydrodynamic separator, several underground tree filter boxes, permeable pavement, native seeding and landscaping with an emphasis on xeriscaping. Upon completion of the demonstration garden, the project team plans to offer training on the proper selection, installation and maintenance of low impact development BMP's in Colorado's arid climate. The training would be no cost to the participants.	\$170,000	\$15,000
Urban Drainage and Flood Control District	The Urban Drainage and Flood Control District, Colorado Stormwater Council, Colorado Association of Stormwater and Floodplain Managers, Colorado Department of Transportation, Colorado Water Institute, and Colorado State University (CSU) jointly propose and endorse a project to develop a statewide stormwater management / best management practices (BMP) education and training program to reduce the pollution of state waters and to assist Municipal Separate Storm Sewer System (MS4) programs with fulfillment of their permit requirement for education and outreach.	\$117,500	\$60,220
Forest View Acres Water District	Rehabilitation of severely degraded discharge pond including full clean-out of erosion and mud, debris and plant material, inspection and relining. The pond should be used for discharge of backwash water from the Surface Water Treatment Plant (SWTP) and the pump that allows reuse of the backwash water needs to be rehabilitated so that the water recycling system can be brought back on line. Additionally, a structural assessment will need to be performed due to the pond's proximity to a dramatic sloping hillside, along with a repair assessment. Pond and retaining walls potentially will need to be either reshaped or rebuilt.	\$120,000	\$60,000
Mountain Water & Sanitation District	Developing engineering design and bid documents for new wastewater treatment facility that will be designed to meet or exceed the effluent limits stated in the PEL discharged permit. The current WWTP utilizes a rotating biological contactor for the treatment process. The WWTP is nearing the end of its design life and is in need of considerable improvements to maintain long-term treatment capabilities. The most current permit contains a compliance schedule that requires specific ammonia limits to be met by 12/31/16.	\$2,000,000	\$90,000

Cokedale, Town of	The Drainage Improvements Project consists of (1) reestablishing the functionality and capacity of the hillside ditches by cleaning, grubbing, reshaping and grading the ditch sections; eliminating an existing, non-functional grey water channel that poses a liability to the town; improvements along Elm Street from the intersection of Spruce Street to its re-intersection with Spruce Street, which includes the installation of stormwater piping, cleaning out existing culverts, installing new culverts, regrading ditch sections, installing concrete pans, riprap and outlet structures; improvements along Maple Street including a sediment detention pond, stormwater piping, riprap, inlet and outlet structures, installation of ditches and regrading existing ditches.	\$685,086	\$90,000
Steamboat Springs, City of	The project consists of installing a mechanized stormwater treatment device at one of the identified outfalls to the Yampa River. The device can be employed where retrofitting storm sewer systems in previously developed areas is the only option to achieve treatment of stormwater runoff.	\$94,000	\$47,000
City and County of Denver	Construction of a regional water pond to capture urban run-off. The pond will consist of small shallow retention ponds surrounded by wetland plants such as rushes, willows, and cattails.	\$2,375,000	\$53,000
Department of Natural Resources, Division of Reclamation, Mining and Safety	Under this NPS project, several impaired water bodies have been identified as being negatively impacted by legacy mining activities. The Hough mine is one of the priorities for reclamation activities and is slated for construction of Best Management Practices (BMPs) to mitigate those impacts. The WQI funds will help leverage the funding that DRMS has received for construction of BMPs and allow DRMS to complete additional project work on impaired stream segments.	\$2,182,334	\$60,500
Trout Unlimited	The Kerber Creek Restoration Project is a joint partnership between Trout Unlimited, Bureau of Land Management, Colorado Nonpoint Source Program, Colorado Division of Reclamation, Mining and Safety, Natural Resources Conservation Service, the Bonanza Stakeholders Group, U.S. Fish and Wildlife Service, U.S. Forest Service, local landowners and other partners. Historic mine tailings have washed down through Kerber Creek and are contributing metals and acidic pH to the waterway. The project involves in-situ treatment of mine tailings by demobilizing metals and re-vegetating mine tailing piles, and installation of fish habitat and stream bank stabilization structures.	\$700,000	\$60,038
Colorado State University	The project funds collection and analysis of field data to better describe in-stream processes of Se and N, necessary for evaluating alternative BMPs and hence assisting in reducing non-point source Se and N pollutant loads. Also, the project provides matching funds for implementing a groundwater-surface water transport model.	\$427,700	\$59,462
	2013		
Urban Drainage and Flood Control District	Development of training module content in partnership with steering committee members and partners which ultimately reduces the cost of training to the participants. Provide training resources free of charge from the Colorado Stormwater Center's website. Stormwater Council). Conduct two training workshops of 25 participants each with additional workshops added if needed. Conduct a four-hour workshop for 30 participants at the CASFM annual conference in September 2013. Develop training video.	\$85,000	\$28,333

AGC	AGC Colorado's project will improve stormwater management in Colorado by educating the stormwater management community on best management practices (BMP) to meet stormwater management regulations. The training participants will learn how to implement an Emergency Management System at construction sites that will reduce discharge into Colorado water bodies resulting in storm water compliance. AGC Colorado will provide Unified Stormwater Management System Basic and Advanced Stormwater trainings which includes content of online resources. AGC will provide participants access to online resources post training and will ensure updates and maintenance to the website. Training promotion will include email notifications to the Colorado stormwater community. Training participants will be tested after completing the training to assess acquired knowledge and skills and complete a training evaluation. AGC will compile and summarize training evaluation results and training test results.	\$93,845	\$21,667
Central, City of	The project will consist of developing a stormwater master plan for the city, improve existing infrastructure to maintain current stormwater capacity, reduce stormwater velocity to mitigate erosion and sediment transport, reduce flooding through redirection and collection of stormwater, design appropriate drainages and ditches to convey to customer.	\$196,000	\$67,884 (Cat 2) \$32,116 (Cat 3)
Cedaredge, Town of	The project will consist of engineering services related to wastewater treatment system planning. The Town owns and operates a wastewater treatment facility (WWTF) that was constructed in 1975. The existing WWTF consists of two aeration ponds, one polishing pond and a chlorine contact chamber prior to discharging to surface water. The existing facility has exceeded 80 percent of the hydraulic and organic loading capacity and requires expansion. Additionally, the Town received a May 2011 Draft Total Maximum Daily Load (TMDL), requiring extremely stringent future effluent limitations in the receiving stream which will need to be addressed.	\$300,000	\$100,000
Florissant Water & Sanitation District	Florissant Water and Sanitation District (WSD) will achieve and maintain discharge permit system requirements by identifying a solution that resolves discharge permit system compliance issues. The project will improve the water quality in the South Platte Basin which has been impacted by a water quality violation. The district will complete a Preliminary Engineering Report (PER) that will evaluate and analyze the existing Florissant discharge permit system for deficiencies and assess environmental impacts.	\$111,100	\$100,000
Merino, Town of	The Town received a compliance inspection letter from CDPHE on May 16, 2012 citing numerous alleged permit violations and other problems associated with the wastewater collection and treatment systems. The project will consist of performing an engineering evaluation and design of the existing wastewater treatment facilities to document facility shortcomings, identify needs and alternatives, and select the alternative that will best result in a fully compliant wastewater system.	\$120,000	\$100,000
Mesa Water & Sanitation District	The project consists of removal and disposal of biosolids from the polishing pond and rock filter unit treatment processes of the aerated lagoon WWTF. Effluent water quality is anticipated to be improved upon completion of the project to the extent of meeting future effluent ammonia limits as well as continuing to meet current secondary effluent CBOD and TSS limits.	\$55,000	\$45,000
Mansfield Heights Water & Sanitation District	The project consists of the renovation of an aging lift station including replacement of pumps and controls and renovation of the interior of the lift station chamber.	\$200,000	\$30,185

Uncompahgre Watershed Partnership	This project will expand and enhance tasks proposed in the NPS project: "Upper Uncompahgre Watershed Mine Remediation." The project comprises of design and implementation of Best Management Practices (BMPs) at three legacy sites in the Upper Uncompahgre Watershed: Michael Breen Mine, Vernon Mine and Atlas Mill, water quality monitoring at remediated sites, and water quality and impairments assessment at other legacy mine sites in the watershed to identify future remediation sites. The WQIF funds will be used as follows: 1) at the Michael Breen Mine to conduct removal of additional waste rock around the unstable load-out structure, enhanced stabilization and preservation of the historic structure, and additional improvements to enhance road drainage from runoff from the upslope mine site; 2) at the Vernon Mine to construct an additional diversion at an additional draining adit which had been identified recently during WQCD/DRMS sampling in spring 2013; 3) at the Atlas Mill to remove additional mine tailings and enhance phyto-stabilization along additional length of streambanks and hillslopes; and 4) to expand water quality sampling and site assessments to additional sites in the upper watershed for future prioritization of remediation projects.	\$498,745	\$78,836
Animas River Stakeholders Group	Nearly all streams in the upper Animas River basin above Silverton, San Juan County, were listed "high priority" on the State's 303(d) list of impaired waters in 2000 due to heavy metal contamination. Numerous miles of streams were devoid or severely reduced of aquatic life and habitat. WQIF funding will help fund remediation of the last identified mine waste site in Mineral Creek, an impaired stream segment with completed TMDLs. The Bullion King remediation project is anticipated to bring Mineral Creek into attainment of the Water Quality Control Commission adopted numerical standards for WQCD segments COSJAF08 and 09. Reductions of all TMDL metals and acidity in Mineral Creek including, Al, Cd, Cu, Mn and Zn are now in compliance with numeric standards or nearly so. Only iron and pH will possibly remain out of compliance after this project's completion.	\$501,465	\$78,836
DNR - Division of Reclamation, Mining and Safety	WQIFs will contribute to the Pennsylvania Mine BMP implementation project. Reclamation of this mine requires extensive work, extensive technical expertise and funding contribution from many entities, as this is a large mine site. Overall cost of the project is well over \$1,200,000; this project has taken many years to come to fruition due to the technical complexity and cost. These funds will enhance the feasibility of implementing the reclamation BMP. This is a TMDL implementation project and is consistent with the watershed plan for the Blue River. The combination of low pH and high metals concentrations does not support the Aquatic Life Cold 1 classification.	>\$1,200,000	\$78,836