



Project Green
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465 E. Galena
Butte, MT 59701

Data Visualization for the Upper Silver Bow Creek Corridor

Project Summary and Map

The project will complete a 3-D geologic referencing and animation visualization as an illustrative tool for the public and entities responsible for cleanup. The project will facilitate understanding about where storm water and remedial systems are and the basics of how they work. It will document current contaminant conditions before remedy and restoration in a format that can be updated during and after work in the corridor to document cleanup. The model will geo-reference all the infrastructure (storm drain, underdrain, utilities, etc.) and monitoring wells in the corridor. It will use a geologic framework based on the well-log lithology and input all available monitoring data over time from the monitoring wells to build the animated 3-D model.

Project scope is Texas Avenue to I-90 bridge at Lower Area One

Partial Project Area Map: (showing the area between Texas Avenue and Montana Street)



Project Goals:

The goal of the project is plotting information from the existing data in a way that makes the data more understandable to the residents of Butte providing them with the information they need to better

comprehend the issues. The public is confused by contradictory messages from EPA, that all contaminants are being captured, and from the State (Natural Resource Damage Program), who say the corridor is vulnerable based on new information. The 3-D information will provide a foundation for a more comprehensive remedy/restoration plan that can be developed for the corridor.

Project Benefits:

Understanding the available information is critical to the long-term solutions that drive the restoration of Silver Bow Creek corridor. New methods to visualize the underlying conditions revealed by available data animated in a 3-D format, will allow citizens in this community to evaluate the issues by being able to understand the scope of contamination and the limitations and constraints of the site. This project will show the available data in a way that can be easily understood by all. A picture is worth a thousand words and an animated picture is worth a million.

Project Implementation:

Project Green, working through ROCC, will establish a subcommittee and lead project manager to oversee the project, including development of the scope, advertisement, and award of a contract. ROCC will administer the contract to ensure schedule and budget as outlined in the definition and project deliverables are met.

Project Schedule:

ROCC believes that time is of the essence with issues surrounding the restoration of Silver Bow Creek.

December 31, 2016	Develop contract with deliverables
30 days after receipt of grant	Advertise and award contract
90 days after award of contract	Administer contract to meet deadline
30 days after completion of contract	Present findings to the public and BNRC

Monitoring Activities:

Project Green, through the ROCC coalition, will oversee the contractor and the progress of the project. The primary monitoring mechanics for this project will be through identification and assessment of milestones and deliverables to ensure that the project meets the scope, and is done on time and on budget.

Project Budget: \$50,000

State procurement requirements will be followed to develop, advertisement, and award a contract. We would seek a 10 percent partnership match shared by CTEC and Project Green/ROCC that includes a \$1,000 in-kind match for volunteer time to develop, advertise, award and administer the contract.