



319 NPS Project Funding Request

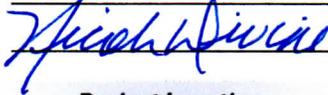
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<http://deq.mt.gov/Water/WPB/Nonpoint-Source-Program/NPS-319-Project-Funding>

Project Title Dry Creek Restoration - Gallatin County

Project Sponsor Information

Name Greater Gallatin Watershed Council Tax ID # 13-4293305
 Address P.O. Box 751 Website http://greatergallatin.org/
 City Bozeman State Montana Zip Code 59771 County Gallatin

Primary Contact Nicole Divine
 Title Contract Coordinator
 Phone Number (406) 551-0804
 Fax Number _____
 E-mail Address info@greatergallatin.org
 Signature 

Project Funding

319 Funds Requested	\$174,900.00
Non-Federal Matching Funds	\$277,500.00
Federal Funds	\$0.00
Total Project Budget	\$452,400.00

Project Location

Watershed Name or HUC # HUC 10020008
 Latitude 485945 Longitude 5085926
 Is the waterbody on the 2016 List of Impaired Waters? Yes
 Does this project implement a WRP? Yes

Nonpoint Source (NPS) Information and Project Planning

Project Focus

Reducing sediment, total nitrogen and total phosphorous with a restoration strategy along along 17.5% of the impaired Dry Creek in Gallatin County.

 Does the landowner support this project? Yes

Project Description

Timeline: Please detail the proposed timeline for this project.

Planning & Coordination: Years 1, 2 and 3. Streambank Restoration Project Implementation: Years 1 and 2. Siphon Project Implementation: Years 2 and 3. SAP Devp: Year 1. Monitoring: Years 1, 2 and 3. O&E: Years 1, 2 and 3. Project Admin: Years 1, 2 and 3.

Please provide a brief overview of the proposed project, including background, purpose, partners and methods.

Dry Creek is located in Gallatin County and has a length of 12.5 miles. The 2.2 miles proposed project is on land owned by Big Blue River LLC. The project reach comprised of eroding banklines totaling over 40% of the total project length. The channel has incised in its historically beaver-mediated floodplain and actively eroding into former floodplain terraces comprised of unvegetated silt. Banks are typically vertical and actively failing by cantilever action and toe scour. The average eroding bank height is 4.9 feet with a significant length of 8+ feet vertical banks. Bankline failure is obvious and occurs year-round creating a chronic fine sediment supply to the creek. Banklines opposite of the eroding terraces are typically well vegetated with riparian species where it has developed an inset floodplain at its new base level. The project aim to reduce sediment and capture nutrients principally through layback of vertical stream bank/ terraces to an angle that can support seeded grasses, creating a bioengineered bank toe averaging 6-8 feet wide, and establishing riparian/wetland vegetation on almost a mile of currently bare banklines. The bank toe foundation will be comprised of 3-5 inch screened native gravel and surfaced with donor wetland sod mats. The bank bench will be planted with a combination of dormant stem willow plantings and container stock of native woody riparian species. The re-graded terrace backslopes will also be planted with vertical dormant willow bundles. Final design restoration options will also include relocating the channel thalweg off of terrace toes and the construction of an inset floodplain. The project has the support of the landowner, TU, GLWQD, and GGWC.