

Project Proposals are due Friday July 27, 2012

Project Title Volunteer Monitoring - Addressing Shared Statewide Goals

Project Sponsor Information

| | | | |
|-----------------|--|---------------------------|---|
| Name | <u>Montana State University Extension Water Quality (MSUEWQ)</u> | Tax Identification Number | <u>81-6010045</u> |
| Address | <u>Leon Johnson Hall, Rm 334</u> | Website | <u>http://waterquality.montana.edu/</u> |
| City | <u>Bozeman</u> | State | <u>Montana</u> |
| | | Zip Code | <u>59717</u> |
| | | County | <u>Gallatin</u> |
| Primary Contact | <u>Adam Sigler</u> | Signatory | <u>Leslie Schmidt</u> |
| Title | <u>Water Quality Specialist</u> | Title | <u>Assistant VP for Research</u> |
| Phone Number | <u>406-994-7381</u> | Phone Number | <u>406-994-2381</u> |
| Fax Number | <u>406-994-3933</u> | Fax Number | <u>406-994-7951</u> |
| E-mail Address | <u>asigler@montana.edu</u> | E-mail Address | <u>lschmidt@montana.edu</u> |
| Signature | <u></u> | Signature | <u></u> |

Project Funding

| | |
|----------------------|--------------------|
| 319 Funds Requested | <u>\$25,000.00</u> |
| Matching Funds | |
| State Match | <u>\$16,667.00</u> |
| State In-Kind Match | <u></u> |
| Local Match | <u></u> |
| Other Match | <u></u> |
| Total Matching Funds | <u>\$16,667.00</u> |
| Other Federal Funds | <u></u> |
| Total Project Budget | <u>\$41,667.00</u> |
| Advance Requested* | <u></u> |
| Administrative Fee | <u>\$2,273.00</u> |

**Advances require additional justification and DEQ approval.*

Does the project sponsor have any open 319 contracts? Yes

Project Title Volunteer Monitoring for E. coli

DEQ Contract Number 211076

319 Award \$22,500.00

Projected Closing Date 6/30/2013

Project Title Enhancing Vol Mon Capabilities in Montana

DEQ Contract Number 212067

319 Award \$20,000.00

Projected Closing Date 12/31/2013

Nonpoint Source (NPS) Information

| | |
|--|--|
| 319 Project Category | <u>Education and Outreach</u> |
| Functional Category | <u>Statewide Education/Information Program</u> |
| 1st Pollution Category | <u>Agriculture (Grazing Related Sources)</u> |
| 2nd Pollution Category | <u>Urban Runoff/Stormwater (Residential, e</u> |
| 3rd Pollution Category | <u>Agriculture (Non-Irrigated Crop Product</u> |
| Waterbody Type | <u>River/Stream</u> |
| Is waterbody on the 2012 Impaired Waters List? | <u></u> |

Project Location

Statewide ☒ *If project is not statewide, please complete the rest of this section.*

Does project implement a TMDL? No

Watershed Name or HUC #

TMDL Planning Area

Project 1 Name

Latitude (1) Longitude (1)

Project 2 Name

Latitude (2) Longitude (2)

Project 3 Name

Latitude (3) Longitude (3)

Project 4 Name

Latitude (4) Longitude (4)

Project Description

Methods: Please describe the specific activities of this project.

This project will work to address the volunteer monitoring support needs of watershed groups distilled from conversation at the Volunteer Monitoring Forum on August 17th at the MWCC Summer Forum. The effort will be extremely collaborative in nature, working to leverage resources from watershed groups, MDEQ, MWCC, DNRC, MSU Extension, and the Big Sky Watershed Corps to help watershed groups across the state realize their advanced citizen based monitoring goals.

Objectives: Please describe the specific/measurable objectives that will ensure the achievement of the project goal(s).

1. To provide the personnel support through MSUEWQ to meet the technical service needs of watershed groups in the arena of advanced citizen based monitoring efforts (number of groups versus degree of support is pending outcome from Vol Mon Forum).
2. To help watershed groups meet their monitoring objectives while interfacing to the degree possible with the data procurement needs of MDEQ (nature of data procurement interface to be refined at Vol Mon Forum)
3. To foster stewardship of water resources by engaging volunteers in meaningful data collection in the context of what they as citizens can do to reduce non-point source pollution. (specific number of citizens to be reached to be refined after Vol Mon Forum).

Overview: Please provide a brief background of the proposed project.

MSUEWQ has been working with advanced citizen based monitoring groups since 2004 with significantly increased efforts starting in 2009. The quality of data collected by these groups has been steadily increasing over that period. Insights about what makes a successful volunteer monitoring program and how to best interface citizens with quality data collection are continually synthesized into new efforts. Past technical documents from different watershed groups are shared and adapted across watershed boundaries and the community of advanced citizen data collectors in MT is growing.

MSUEWQ will release a Survey Monkey document assessing the dominant challenges that watershed groups face in implementing/maintaining a volunteer monitoring program and will then build on the survey results at the Volunteer Monitoring Forum on August 17th at the MWCC Summer Forum in Helena. The distilled needs of groups with current programs and groups who wish to implement programs will be evaluated and the funding requested here will be directed to meet those needs in the most effective way possible.

Insight at the Forum will be gleaned from Kris Stepenuck who administers the successful statewide volunteer monitoring network in Wisconsin. Additional insight during the implementation of this project will be solicited from Kris and other colleagues including Linda Green in Rhode Island who is a keystone figure in the development of volunteer monitoring efforts nationally.

Monitoring: Please briefly describe the monitoring component of this proposal.

This entire proposal is oriented around facilitating the collection of meaningful and credible data in watersheds across Montana.

Education and Outreach: Please briefly describe the education and outreach component of this proposal and the target audience.

This entire proposal is oriented around interfacing the public with data collection efforts in the context of how they interact as citizens with their local water resources and what they can do to reduce nonpoint source pollution and enhance stewardship of water resources.

Collaborative Effort: Please briefly describe project partners. Include other agencies, organizations and private citizens and their role in this project.

| Partner | Role |
|--|---|
| Greater Gallatin Watershed Council | Partner in implementation of local level citizen monitoring |
| Madison Watershed Group | Partner in implementation of local level citizen monitoring |
| Lewis and Clark Water Quality District | Partner in implementation of local level citizen monitoring |
| MWCC, MDEQ, Big Sky Watershed Corp | Partners in supporting vol mon efforts at the state level |

Scope of Work- Outline

Task 1 Title Trainings (to be refined with outcome of August 17th Forum)

| | | |
|---------------------|---|---|
| 319 Funds | <input type="text" value="\$7,500.00"/> | Description Three individual and combined trainings will be offered for watershed groups as needed. |
| Non-Federal Match | <input type="text"/> | |
| Other Federal Funds | <input type="text"/> | |
| Total Cost | <input type="text" value="\$7,500.00"/> | |
| Timeline | <input type="text"/> | |

Task 2 Title Assistance with SAP/SOP technical documents (to be refined with outcome of August 17th Forum)

| | | |
|---------------------|--|--|
| 319 Funds | <input type="text" value="\$10,000.00"/> | Description Assistance will be provided to 3 new watershed groups in the arena of SAP development and assistance will be provided to the Sun, Teton, Gallatin, and Madison watershed groups with modest updates to existing SAPs and QAPP documents. |
| Non-Federal Match | <input type="text"/> | |
| Other Federal Funds | <input type="text"/> | |
| Total Cost | <input type="text" value="\$10,000.00"/> | |
| Timeline | <input type="text"/> | |

Task 3 Title Assistance with data management (to be refined with outcome of August 17th Forum)

| | | |
|---------------------|---|--|
| 319 Funds | <input type="text" value="\$7,500.00"/> | Description Data management assistance will be provided to the watershed groups listed in task 2. The nature of this assistance is pending outcome of August 17th forum. |
| Non-Federal Match | <input type="text"/> | |
| Other Federal Funds | <input type="text"/> | |
| Total Cost | <input type="text" value="\$7,500.00"/> | |
| Timeline | <input type="text"/> | |

Task 4 Title

| | | |
|---------------------|----------------------|--------------------|
| 319 Funds | <input type="text"/> | Description |
| Non-Federal Match | <input type="text"/> | |
| Other Federal Funds | <input type="text"/> | |
| Total Cost | <input type="text"/> | |
| Timeline | <input type="text"/> | |

Task 5 Title

| | | |
|---------------------|----------------------|--------------------|
| 319 Funds | <input type="text"/> | Description |
| Non-Federal Match | <input type="text"/> | |
| Other Federal Funds | <input type="text"/> | |
| Total Cost | <input type="text"/> | |
| Timeline | <input type="text"/> | |

Task 6 Title _____

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Description

Timeline _____

Task 7 Title _____

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Description

Timeline _____

Task 8 Title _____

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Description

Timeline _____

Task 9 Title _____

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Description

Timeline _____

Comments: Please use the space provided for any additional information that may not have been captured by this application form.

Due to the fact that this proposal will be fundamentally shaped by the outcome of the Vol Mon Forum on August 17th, it is difficult to provide extensive detail on the date of writing this proposal (July 26th). However, extensive detail will be available by the time the final application is due in October.