

Short Description of Project

Describe project, what will be done, and what the anticipated benefits
Will be in 1500 characters or less.

NOTE: Many audiences, including the SRFB, SRFB's Technical Review Panel, media, legislators, and the public who may inquire about your project use this description. Provide as clear, succinct, and descriptive an overview of your project as possible – many will read these 1-2 paragraphs!

- The description should state what is proposed.
- Identify the specific problems that will be addressed by this project, and why it is important to do at this time.
- Describe how, and to what extent, the project will protect, restore, or address salmon habitat.
- Describe the general location, geographic scope, and targeted species/stock.
- This short description should be the summary of the detailed proposal set out under the Evaluation Proposal, with particular emphasis on questions 1-4.

The PRISM database limits project descriptions to 1500 characters (including spaces); any excess text will be deleted. Additional detail should be provided in the project proposal!

The City of Dayton will assessment a 3 mile river reach in the mainstem Touchet River beginning at the Bailyburg Bridge (upstream from the town of Dayton, WA) upstream to the Wolf Fork Road Bridge 1000' above the Wolf Fork Confluence. The purpose of the assessment will be to develop conceptual designs for the reach, from which to work with landowners to identify elements which can be prioritized for preliminary habitat restoration designs. The overall goal of this project will be to develop designs which address degraded floodplain connectivity, in channel complexity and riparian habitats conditions identified in the Snake River Salmon Recovery Plan as being degraded and hindering recovery of ESA listed Mid-Columbia Steelhead. Existing conditions in the proposed reach of the Upper Touchet River MSA exhibit a straightened incised single thread channel which has been trained into position by infrastructure and past land management practices. The proposed assessment would build on the Touchet River Assessment County Line to USFS (09-1593) by using the general assessment information provided including post analyzed LIDAR and orthographic photos.

| Preliminary Design Description: <i>Describe the preliminary project design that will be used to address the need described above. This section may be used to provide a more detailed description than provided above. Not required for pre-application (Max one page)</i> | | | | | |
|--|-----------|------|----------------------|------------------|-----------------------|
| Estimated Budget: <i>List SRFB request match and total project costs</i> | | | | | |
| Budget Items | Cost/Unit | Unit | Matching Funds | SRFB Request | Project Cost |
| | | | | | |
| | | | | | |
| | | | | | |
| Total Matching | | | \$\$18,000.00 | | |
| Total SRFB Request | | | | \$102,000 | |
| Total Project Cost | | | | | \$\$120,000.00 |
| Evidence that this project is part of the Snake River Salmon Recovery Plan: <i>List the HWS project number and title of project as stated in the 3 Year Plan. If project is not directly stated in the 3 Year Plan list the general project category your project pertains to and describe the correlation.</i> | | | | | |
| This project is listed under the 3 Yr Work Plan in the following objectives; Increase habitat complexity 32-00300, Increase stream channel length 32-00390, & Restore floodplain connectivity 32-00420. The following objectives are identified in the SRSRB Recovery Plan Riparian: >62 to 82% of maximum, Large Woody Debris: > 1 Key pice per channel width, and Channel Confinment: <10 to 40% of Streambank length. | | | | | |

This is the end of the PRE-APPLICATION

When submitting your draft application, make sure to make updates to the pre-application information where pertinent as well as completing the following draft application. The pre-application will become part of the draft application to reduce redundant forms.

| SRFB Draft Application Information | |
|--|---|
| <input checked="" type="checkbox"/> Draft | Date Submitted to SRSRB 5/16/2011 |
| Project Type: (check one) | |
| <input type="checkbox"/> Acquisition | <input type="checkbox"/> Acquisition/Restoration |
| <input type="checkbox"/> Passage, Diversion, Barrier Inventory/Design | <input type="checkbox"/> Upland |
| <input checked="" type="checkbox"/> Non-Capital | <input type="checkbox"/> In-Stream <input type="checkbox"/> Riparian |
| Applicant / Organization Information | |
| Organization Name: City of Dayton | |
| Organization Type (check one) | |
| <input checked="" type="checkbox"/> City/Town | <input type="checkbox"/> County <input type="checkbox"/> Conservation District |
| <input type="checkbox"/> Native American Tribe | <input type="checkbox"/> Non-profit Organization <input type="checkbox"/> RFEG |
| <input type="checkbox"/> Special Purpose District | <input type="checkbox"/> State Agency |
| Updated Vicinity / Site Maps & Photos | |
| Please submit photos as JPEG or other non PDF picture format. Maps and designs maybe submitted in photo or PDF format. | |
| Vicinity Map Attached: | <input checked="" type="checkbox"/> |
| Site Map Attached: | <input checked="" type="checkbox"/> |
| Aerial or Site Specific Photos Attached: | <input checked="" type="checkbox"/> |
| Preliminary Designs or Field Sketches: | <input type="checkbox"/> |
| Update Short Description in Pre-Application Above | |
| Describe project, what will be done, and what the anticipated benefits Will be in 1500 characters or less. | |

| Summary of Funding Request and Match Contribution Remember to update this section whenever changes are made to your cost estimates. | |
|---|---------------------|
| TOTAL PROJECT COST (A + B) (Sponsor Match & SRFB Contribution) \$120,000.00 | |
| A. Sponsor Match Contribution (15% minimum is required for match) | |
| Appropriation/Cash | |
| Bonds – Council | |
| Bonds – Voter | |
| Cash Donations | |
| Conservation Futures | |
| Donations | |
| Donated Equipment | |
| Donated Labor | |
| Donated Land | |
| Donated Materials | |
| Donated Property Interest | |
| Force Account | |
| Force Acct – Equipment | |
| Force Acct – Labor | |
| Force Acct – Material | |
| Grants | |
| Grant – Federal | |
| Grant – Local | |
| Grant – Private | |
| Grant – State | |
| Grant – IAC | |
| Grant – Other | |
| Total Sponsor Match Contribution (15% Minimum Match Required of a total Project Cost) | \$18,000.00 |
| B. SRFB Contribution (grant request) \$5,000 Minimum Request | \$102,000.00 |
| Note: *Be sure to identify the name and type of any matching grant in the Application Questionnaire Section. *The Total Project Cost must equal the totals from the following Cost Estimate Sections. | |

| Project Proposal Guides | |
|--|-------------------------------------|
| <p>To complete this section download the Project Proposal template that fits your proposed project and attach as a separate document. Check appropriate box below. NOTE: This project proposal will be used primarily to evaluate your project. Please include appropriate metrics within the body of the text. The below documents can be found at http://www.snakeriverboard.org/leadentity/applicationdocs.html</p> | |
| | Attached |
| 1) Restoration, Acquisition and Combination (Restoration & Acquisition) Project | <input type="checkbox"/> |
| 2) Planning Projects (Assessment, design, and Study) and Combination (Planning & acquisition) Projects | <input checked="" type="checkbox"/> |
| 3) Barrier Inventory Projects | <input type="checkbox"/> |

| Landowner Information | |
|--|--|
| Landowner Acknowledgment Forms | |
| (Remember to complete the Landowner Acknowledgement form for each Landowner.) | |
| <p>To complete this section download the landowner acknowledgment form and have the landowner complete the form and submit a copy with the final application. Final applications without signed agreement forms may not be considered by the SRSRB for final scoring and ranking. These forms can be found on the SRSRB web site at: http://www.snakeriverboard.org/leadentity/applicationdocs.html</p> | |
| <p>Current Landowner(s) of the site (name and address). Remember to complete the Landowner Acknowledgement Form. Name: Address: City/Town: State: Zip:</p> | |
| <p>Driving Directions (provide directions that will enable staff to locate the project): Leaving Dayton drive to the Bailsburg Bridge up stream to the Wolf for Road Bridge of the North Fork Touchet River Road.</p> | |

Project Proposals

Planning and Combination Projects

Planning Projects (Assessment, Design, and Study) and
Combination Projects (Planning and Acquisition Projects),
Excluding Barrier Inventories

Salmon Recovery Funding Board applicants must respond to the following items. Please respond to each question individually – do not summarize your answers collectively in essay format. Local citizen and technical advisory groups will use this information to evaluate your project. Contact your lead entity for additional information that may be required. Limit your response to eight pages.

Submit information via a PRISM attachment, which is available on the RCO Web site at www.rco.wa.gov/doc_pages/app_materials.shtml#salmon.

1. Project Overview

- A. Provide a brief summary of the project (Further elaboration of this summary information is requested in Questions 2 and 3). Be sure to include:
 - i. Location of the project in the watershed, including the name of the water bodies, upper and lower extent of the project (if only a portion of the watershed is targeted), and whether the project occurs in the near-shore, estuary, main stem, tributary, off channel, or other location.

The proposed project will be located in the mainstem Touchet River (Upper Touchet River MSA and priority for restoration (Snake River Salmon Recovery Plan 2011 Draft Document)) beginning at the Bailsburg Bridge upstream to the Wolf Fork River Road Bridge 1000' upstream from the Wolf Fork Confluence.

- ii. Overview of current project site conditions.

Current conditions at the project site exhibit an incised single thread channel which has been trained into a straightened condition with minimal riparian habitat, channel

complexity or floodplain connection. The reach has seen improved water temperatures and is spawning, rearing habitat for wild Mid-Columbia Steelhead, winter rearing for Columbia bull trout and spawning and rearing for reintroduced non-listed spring Chinook. Channel conditions through the entire reach are characterized as moderate to poor habitat for spawning and rearing salmonids by lacking LWD, side channels or suitable winter rearing pools.

- iii. Description of the proposed project and primary project objectives, such as how this project will contribute to understanding or restoring salmonids within the ecosystem.

The project will assess the 3 mile river reach of the mainstem Touchet River using information and data collected and analyzed in the Touchet River Assessment County Line to USFS 09-1593 conducted by the City of Dayton using SRFB and CTUIR funds. The assessment will consist of developing conceptual designs for the 3 mile reach to a point that can be shared with landowners in the 3 mile reach. The City will work with landowners to identify concepts that have potential for restoration. From the list of potential projects options will be prioritized based on habitat benefit to steelhead spawning and rearing and bull trout winter rearing. The top priority projects up to about a mile of river will be design to a preliminary level.

The habitat objectives listed in the Snake River Salmon Recovery Plan 2011 Draft are to restore riparian habitat to 40-75% of maximum, increase LWD to at least one key piece per channel width, reduce channel confinement to < 25-50% of bank length, and have < 4 days > 72 °F. The primary objective for this project is to improve floodplain function by minimizing confinement, increase LWD structure in channel and where possible develop side channel habitat.

The completion of this project will build on the previous assessment by using the available data to systematically design habitat restoration options for the Touchet River in historic prime spawning and rearing areas. The reach has in place critical infrastructure including two bridges dozens of homes and properties. Additionally, the reach is only about one mile upstream from the City of Dayton where flooding concerns are a high priority. This project will benefit salmonids by providing the engineering designs and public piece of mine needed to do salmon habitat restoration work in this type of reach.

(The Touchet River Assessment County Line to USFS (09-1593) online interactive GIS tool)

When possible, list your sources of information by citing specific studies, reports, and other documents.

- B. Has any part of this project previously been reviewed or funded by the Salmon Recovery Funding Board? If yes, please provide the project name and SRFB project number (or year of application if a project number is not available). If the project was withdrawn for funding consideration or was not awarded SRFB funding, please describe how the current proposal differs from the original.

No part of this specific project has been submitted for review or funding, however data and supporting information will be used from the previously funded Touchet River Assessment County Line to USFS 09-1593.

2. Salmon Recovery Context

- A. Describe the fish resources present at the site and targeted by this project.

| Species | Life History Present (egg, juvenile, adult) | Current Population Trend (decline, stable, rising) | ESA Coverage (Y/N) | Life History Target (egg, juvenile, adult) |
|---------------------|---|--|--------------------|--|
| Mid-C Steelhead | All | Increasing | Y | Egg, juvenile |
| Columbia Bull Trout | Juvenile, Adult | Stable | Y | Juvenile, Adult |
| Spring Chinook | All | Increasing | N | Egg, Juvenile |

- B. Describe the nature, source, and extent of the problem or gap in knowledge that the project will address. Include a detailed description of site conditions and other current and historic factors important to understanding the need for this project. Be specific – avoid general statements. For fish passage design/feasibility studies, concisely describe the passage problem (outfall, velocity, slope, etc); the current barrier (age, material, shape, and condition); whether it is a complete or partial barrier; and the amount and quality of habitat to be opened if the barrier is corrected. Projects that include acquisition should refer to the supplemental questions later in this worksheet for further guidance on information to include in their problem statement.)

The degradation that lead to current conditions on the Touchet River within the reach proposed for assessment in this study are the product of past land management practices. Agriculture and the construction of infrastructure have led to the training of the river channel to be straighter, shorter and steeper than a natural channel would be given valley morphology. The resulting channel condition provided very little channel complexity with very little LWD, or other pool forming features. The channel has become incised transporting wood from the system creating depositional problems

downstream outside the footprint of this project. The channel shape provides little habitat for rearing salmonids particularly during the winter cold months when the treadmill type riffle glide habitat present in the reach cannot support rearing.

The channel meander width for this reach is the entire estimated during the previous assessment is approximately 1,800 feet and over the last few decades the river has not moved or engaged its floodplain. Riparian habitat is dominated by old growth cottonwood with some willow, pine and alder. Natural recruiting trees are often restricted to the lower benches or gravel deposits within the channel.

- C. Describe how this project fits within your regional recovery plan or local lead entity strategy to restore or protect salmonid habitat in the watershed (i.e., Does the assessment fill a data gap identified as a priority in the lead entity's strategy or regional recovery plan? Does the project address a priority action, occur in a priority area, or target priority fish species?).

The project proposed addresses several priority actions identified for the Upper Touchet River MSA. The MSA is a priority for restoration in the SRSRP 2011 Draft including increasing LWD key pieces to > one per channel width and reducing channel confinement to < 10 to 40% of stream bank length. The target of this project will be to improve the priority actions listed above in the priority restoration reach identified in the proposal for the priority species of steelhead and bull trout.

- D. Describe the consequences of not conducting this project at this time. Consider the current level and imminence of risk to habitat in your discussion.

Not conducting this project at this time will further delay improvements in habitat quality in the Upper Touchet River MSA, resulting in continued suppressed habitat availability.

3. When possible, list your sources of information by citing specific studies, reports, and other documents.

Touchet River Assessment County Line to USFS 09-1593 draft online ArcReader Report

2011 Draft Snake River Salmon Recovery Plan. Snake River Salmon Recovery Board Lead Entity, Dayton WA.

4. Project Design

- A. Provide a detailed description of the project and how it will address the problem described in Section 2B. Clearly list and describe all products that will be produced (i.e., project deliverables). If a project design will be

produced, what stage of project development is proposed (conceptual, preliminary, or final; refer to RCO Manual 18, Appendix D – Project Development Phases Defined.)

The project will involve conducting a review of available information from the previous general assessment to produce conceptual designs for the three mile river reach beginning at the Bailsburg Bridge up stream to the Wolf Fork Road Bridge. The conceptual design will be used to solicit interested landowners into joining salmon restoration efforts in modify their property to enhance stream channel and floodplain morphology to provide the best possible habitat for salmonids while maintaining public safety. Landowners who are interested in participating in projects will have the concepts developed for their properties prioritized against other options within the reach. The highest priorities for the reach will be considered for preliminary designs. It is anticipated that approximately one mile of river could be developed to preliminary design.

The products produced in this project include a conceptual design for the project reach and a prioritized list of projects from the conceptual design on lands with willing landowners that the LE can use in the implementation plan as potential future projects. A set of preliminary designs for a reach or several reaches that are identified as the highest priority for the reach by the LE RTT which the sponsor can coordinate with the LE for future final design and implementation.

The level of design being pursued in this proposal include conceptual design as describe in Manual 18 to understand the feasibility of restoration actions in the project reach. The final report will describe how and why the this highest priority was selected. Also within the final report preliminary site plans will be available for priorities 2-3-4 etc., while priority 1 will be moved up to the preliminary design as describe in Manual 18.

The preliminary design portion of this project will be executed on the highest priority identified in the conceptual preparation that was acceptable to landowners and the LE RTT. The design report will include survey site plans, field investigations, data analysis, design drawings, engineering cost estimate and design report.

- B. If the project will occur in phases, explain individual sequencing steps and which steps are included in this application.

The project is not intended to be conducted as a phase of a project. It is though part of a larger effort being led by the SRSRB and City of Dayton officials to improve habitat conditions in the Upper Touchet River MSA. It is the intention that the designs of this project will move towards one or more habitat restoration projects in the next couple of years based on funding availability.

- C. If your proposal includes a fish passage or screening design or feasibility study: **N/A**
- i. Provide the Priority Index (PI) or Screening Priority Index (SPI) number and describe how it was generated (physical survey, reduced sample full survey, expanded threshold determination, or Washington Department of Fish and Wildlife generated [list source, such as a study or inventory]). Refer to the Department of Fish and Wildlife's Fish Passage Barrier and Screening Assessment and Prioritization Manual (<http://wdfw.wa.gov/hab/engineer/fishbarr.htm>) for guidance.
 - ii. For fish passage design projects, identify other fish passage barriers downstream or upstream of this project.
- D. If your proposal includes an assessment or inventory (NOTE: project may extend across a wide area and cover multiple properties):
- i. Describe the assessment or inventory design and methodology.

The assessment portion of this design project will be in the form of a feasibility study on the three mile reach identified. The feasibility study will be used to identify the habitat needs and develop a range of potential alternatives for restoring habitat in consideration of existing infrastructure. Using the concepts developed landowner support will be solicited to develop a priority list of projects that are locally supported and address the specific problems identified in the feasibility study. Alternatives will be considered based on local support, benefits to salmonid habitat and constructability. The project or two (depending on size and magnitude) that rank highest will have a range of alternative identified and the preferred alternative will be developed into a preliminary design. Prioritization will be done using the SRSRB RTT in cooperation with the SRSRB LE. Priorities identified in the SRSRP 2011 Draft will be used to guide restoration priorities and the type of projects used.

- ii. Describe any previous or ongoing assessment or inventory work in your project's geographic area.

The Touchet River Assessment County Line to USFS 09-1593 project is nearing completion and preliminary designs are being finalized as part of that project. As one of the steps of that project LIDAR and Orthographic images were obtained and are now available in post-production format to the LE and its partners for the entire watershed. Sediment analysis and flow analysis have been completed as well as the development and description of river reaches. Ground and canopy elevation models have been created for the entire reach as well as the identification of river levees and sediment sources. The proposed assessment will be dovetailing from the previous assessment to create more designs for construction.

- iii. Describe how the assessment or inventory addresses the stages and elements in *Guidance on Watershed Assessment for Salmon* (Joint Natural Resources Cabinet, May 2001, www.digitalarchives.wa.gov/governorlocke/gsro/watershed/watershed.pdf).

The assessment proposed in this study will be fitting into stage two where the watershed has been described in previous planning document (SRSRP 2011, Middle Snake Watershed Planning) and factors limiting salmon recovery are identified in the SRSRP 2011. Salmonid trend analysis is currently completed as part of the recovery plan by WDFW and is not part of this scope. So this project will fit into stage II and III where it will identify existing conditions and how they are different than optimal. The changes needed to improve the habitat will be identified and design. This reach is imbedded in residential area and located immediately above the town of Dayton, WA. Limitations on restoration will be needed and returning the habitat to natural will not be feasible, however great improvements may be realized through the development of complexity, and floodplain connectivity. With this being said more information and expertise is needed to produce the level of analytical rigor and confidence in designs for this reach before projects can go to final design and implementation.

5. Project Development

- A. Explain how the project's cost estimates were determined.

The project cost estimate was developed in coordination with previous experience gained in the Touchet River Assessment (09-1593)

- B. Describe other approaches and design alternatives that were considered to achieve the project's objectives.

N/A

- C. Include a Partner Contribution Form (Appendix J), when required, from each partner outlining the partner's role and contribution to the project. State agencies are required to have a local partner that is independently eligible to be a project sponsor. A Partner Contribution Form is recommended, not required, from partners providing third-party match.

N/A

- D. List all landowner name. Include a signed Landowner Acknowledgement Form (Appendix K) from each landowner acknowledging that his or her property is proposed for SRFB funding consideration. If an assessment covers a large area and encompasses numerous properties, Landowner Acknowledgement

Forms are not required. For sponsors proposing feasibility or assessment work on their own property, this form is not required. For multi-site acquisition projects involving a relatively large group of landowners, include, at a minimum, signed Landowner Acknowledgement Forms for all known priority parcels.

The assessment will cover a large number of landowners as part of the feasibility study and the actual landowners selected for preliminary designs will not be known until the completion of the feasibility step.

E. Describe your experience managing this type of project.

The City of Dayton is currently managing their first SRFB grant which was a large general assessment. The project is on schedule to be completed on time with final report from the primary contractor forthcoming this summer.

6. Tasks and Schedule

List and describe the major tasks and schedule you will use to complete the project. Non-capital projects should be completed within two years of funding approval.

Task 1 Solicit a contractor to conduct the assessment December 2011-January 2012

Task 2 Review data and results from previous assessment, and conduct any field investigations needed for development conceptual and alternatives. February-April 2012

Task 3 Conduct feasibility analysis including public meetings and technical discussions May-June 2012

Task 4 Conduct field surveys July-November 2012

Task 5 Develop draft preliminary designs for review November 2012-February 2013

Task 6 Finalize designs and submit report April 2013

7. Constraints and Uncertainties

Each project should include an adaptive management approach that provides for contingency planning. State any constraints, uncertainties, possible problems, delays, or unanticipated expenses that may hinder completion of the project. Explain how you will address these issues as they arise and their likely impact on the project.

Constraints that may hinder this project would be an overabundance of un-willing landowners. This should be avoided by utilizing the approach used in the previous

assessment, which involved keeping the landowners informed and making sure they understand the voluntary process being conducted by the City.

8. Detailed project cost estimate. Please include a detailed project cost estimate and attach in PRISM. Clearly label the attachment "Cost Estimate" in PRISM. This will help the local review process and the state Review Panel better understand the project cost details.

I will need to work on this with Geo

Assessments, Feasibility and Design Project Cost Estimate

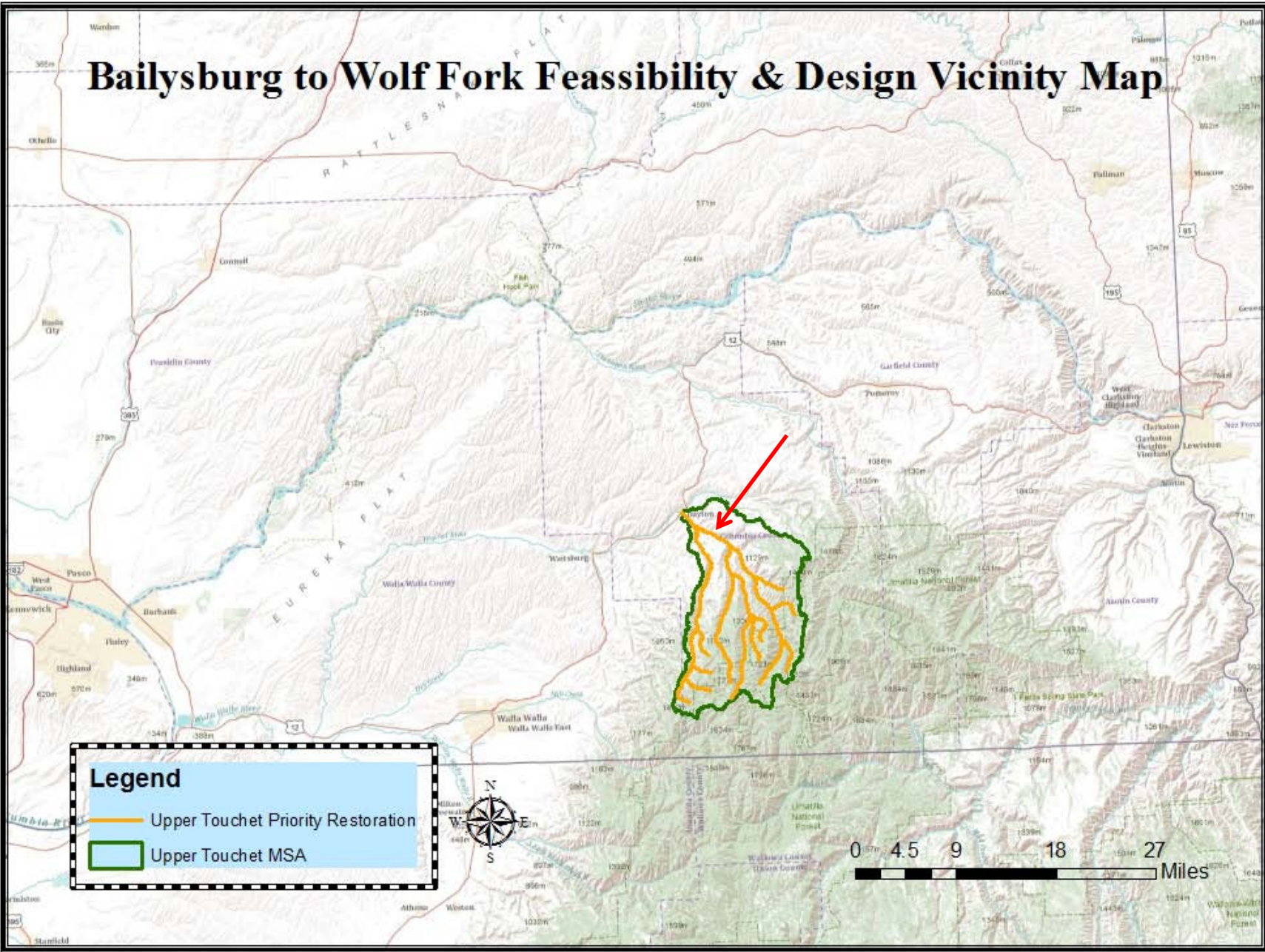
ASSESSMENTS AND STUDIES may include feasibility studies; channel migration studies; reach-level, nearshore, and estuarine assessments; and inventories such as barrier, unscreened water diversions; and landslide hazard. A feasibility study could include assessing the willingness of landowners to agree to allow access to their land for a habitat project or to consider selling a conservation easement. The results of proposed assessments must directly lead to identification, siting, or design of habitat protection or restoration projects or fill a data gap identified as a priority in a lead entity strategy or regional recovery plan.

Complete only items that apply to your project.
TOTAL COST must include the SRFB and Sponsor's Match Contribution.
Use only whole dollar amounts.

| Item | Unit | Qty. | Total Cost | Description Needed | Description (60 characters max.) |
|-------------------------------|----------|--------|------------|--------------------|---|
| Communications | | | | | |
| Advertising | Lump sum | 2 | \$2,000 | Optional | |
| Communications – other | Lump sum | | | Optional | |
| Postage | Lump sum | | | Optional | |
| Printing, binding, copying | Lump sum | | | Optional | |
| Telephone | Lump sum | | | Optional | |
| Equipment | | | | | |
| Equipment – other | Lump sum | | | Describe | |
| Insurance | | | | | |
| Insurance – other | Lump sum | | | Describe | |
| Liability insurance | Lump sum | | | To/From | |
| Permits | | | | | |
| Permits | Lump sum | | | Optional | |
| Professional Services | | | | | |
| Consultant(s) | Lump sum | 1 | \$88,000 | Optional | |
| Mapping/GIS | Lump sum | | | Optional | |
| Photography | Lump sum | | | Optional | |
| Professional services – other | Lump sum | 250 hr | \$6,000 | Optional | 12 meetings over two yrs with RTT and Round Table suport. 10 professionals at 2 hr meeting. |
| Surveying | Lump sum | 1 | \$6,000 | Optional | |

| Rentals & Leases | | | | | |
|--------------------------------|--------------|------|------------|--------------------|----------------------------------|
| Meeting rooms | Lump sum | | | Optional | |
| Item | Unit | Qty. | Total Cost | Description Needed | Description (60 characters max.) |
| Rentals & leases – other | Lump sum | | | Describe | |
| Vehicle lease | Lump sum | | | Optional | |
| Salaries & Benefits | | | | | |
| Salaries & benefits - other | # of FTE's | .15 | \$12,000 | Title | Project Manager |
| Salaries & benefits - other | # of FTE's | .1 | \$6,000 | Title | Office Assisstant |
| Salaries & benefits - other | # of FTE's | | | Title | |
| Salaries & benefits - other | # of FTE's | | | Title | |
| Salaries & benefits - other | # of FTE's | | | Title | |
| Supplies | | | | | |
| Computer software | Lump sum | | | Describe | |
| Forms, maps, stationery | Lump sum | | | Optional | |
| General supplies | Lump sum | | | Optional | |
| Publications | Lump sum | | | Optional | |
| Transportation/Travel | | | | | |
| Mileage | Rate | | | Miles | |
| Per diem | Each | | | Optional | |
| Transportation/travel – other | Lump sum | | | Describe | |
| Vehicle use | Rate / month | | | Optional | |
| Sales Tax | | | N/A | | |
| TOTAL COSTS | | | \$120,000 | | |

Bailysburg to Wolf Fork Feassibility & Design Vicinity Map

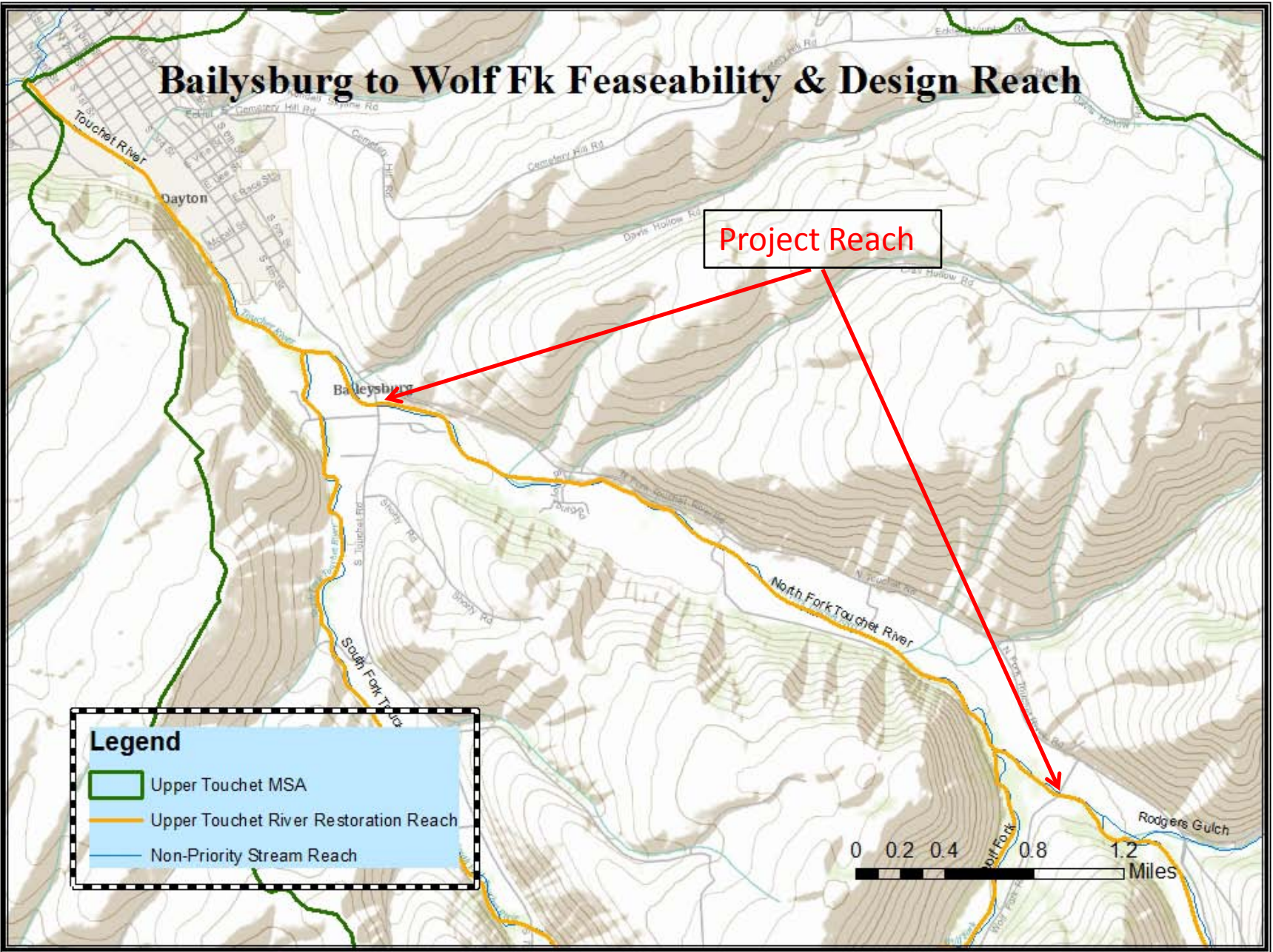


Legend

- Upper Touchet Priority Restoration
- Upper Touchet MSA



Bailysburg to Wolf Fk Feaseability & Design Reach



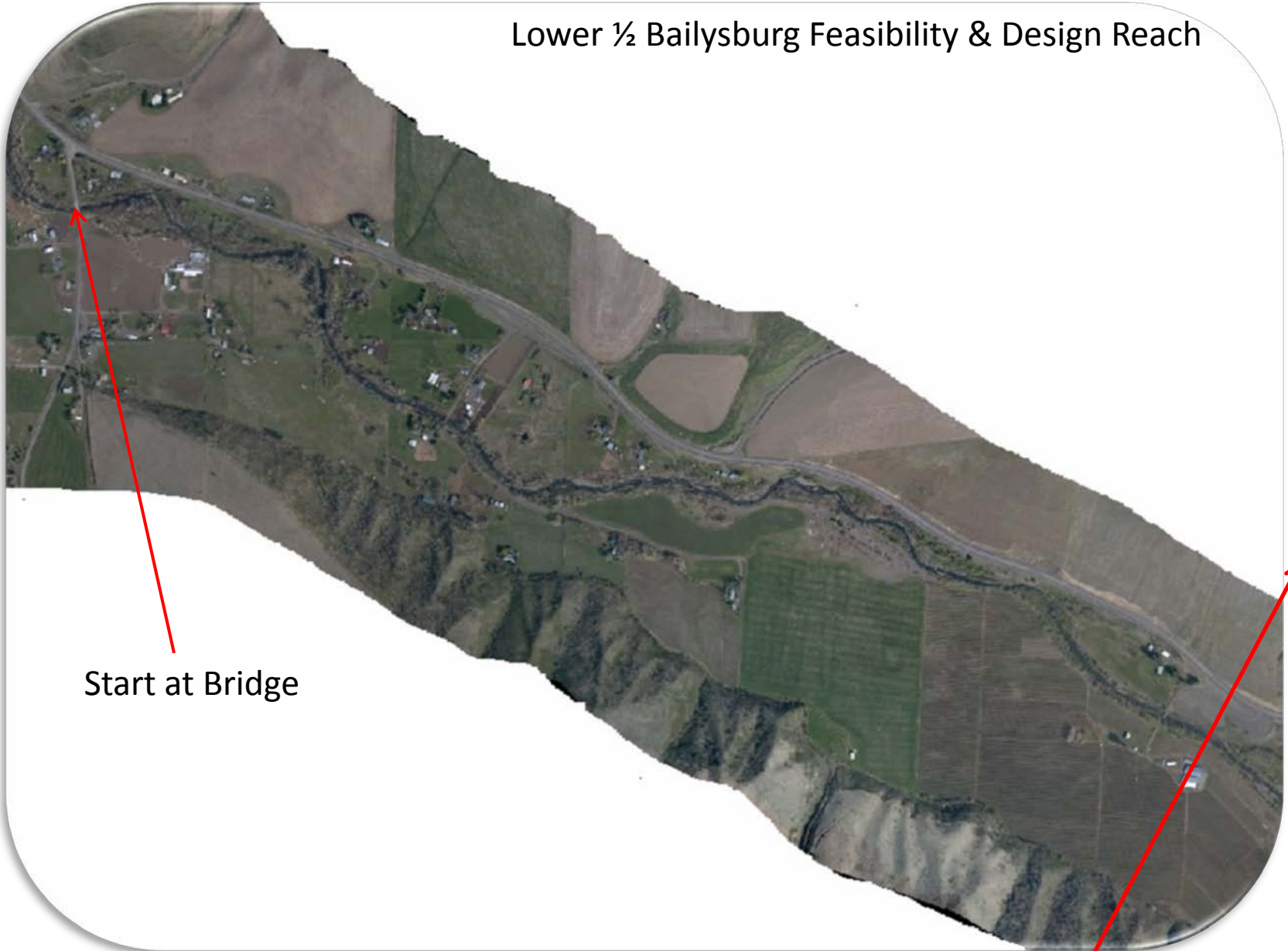
Project Reach

Legend

- Upper Touchet MSA
- Upper Touchet River Restoration Reach
- Non-Priority Stream Reach

0 0.2 0.4 0.8 1.2 Miles

Lower ½ Bailsburg Feasibility & Design Reach



Start at Bridge

AA

AA

Upper ½ Bailsburg Feasibility & Design Reach

AA

AA

Upper End of Project

