

Last Updated: July 2017

Colorado Water Conservation Board

Water Plan Grant Application

Instructions

To receive funding for a Water Plan Grant, applicant must demonstrate how the project, activity, or process (collectively referred to as “project”) funded by the CWCB will help meet the measurable objectives and critical actions in the Water Plan. Grant guidelines are available on the CWCB website.

If you have questions, please contact CWCB at (303) 866-3441 or email the following staff to assist you with applications in the following areas:

Supply and Demand Gap Projects: Gregory.Johnson@state.co.us

Water Storage Projects: Anna.Mauss@state.co.us

Conservation, Land Use Planning: Kevin.Reidy@state.co.us

Engagement & Innovation Activities: Mara.MacKillop@state.co.us

Agricultural Projects: Brent.Newman@state.co.us

Environmental & Recreation Projects: Linda.Bassi@state.co.us

Applicants interested in submitting an ‘Intent to Apply’ in the future are encouraged to check here ☐ and fill in all sections with the best information available at the time. Exhibits excluded.

This “Intent to Apply” will help CWCB prioritize Projects that are not ready for fully completed Water Plan Grant Application due to the initial timeframe and deadlines required.

Water Project Summary

Name of Applicant	City of Steamboat Springs	
Name of Water Project	Fish Creek Critical Community Watershed Wildfire Protection Plan	
CWP Grant Request Amount		\$50,000
Other Funding Sources	<u>Mt. Werner Water</u>	\$50,000
Other Funding Sources		\$
Applicant Funding Contribution		\$50,000
Total Project Cost		\$150,000

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Applicant & Grantee Information	
Name of Grantee(s)	City of Steamboat Springs
Mailing Address	P.O. Box 775088
FEIN	84-6000721
Organization Contact	Kelly Romero-Heaney
Position/Title	Water Resources Manager
Email	kromeroheaney@steamboatsprings.net
Phone	970-871-8205
Grant Management Contact	<u>Ginger Scott</u>
Position/Title	Grants / PR Specialist
Email	gscott@steamboatsprings.net
Phone	970-871-8215
Name of Applicant (if different than grantee)	N/A
Mailing Address	
Position/Title	
Email	
Phone	

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Description of Grantee/Applicant
Provide a brief description of the grantee's organization (100 words or less).
<p>Steamboat Springs is located in Routt County in Northwest Colorado. The City of Steamboat Springs and Mount Werner Water Sanitation District provide water and sewer services to the community which has approximately 12,690 full time residents, and also includes a large population of part-time residents with second homes, and an even larger population of visitors.</p> <p>The average annual water use of the combined districts is approximately 3,000 AF per year. Annual usage is split roughly 50/50 between the City and Mt. Werner Water.</p> <p>The majority (approximately 93%) of the water that supplies the community comes from the Fish Creek drainage.</p>

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Type of Eligible Entity (check one)	
X	Public (Government): Municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
	Public (Districts): Authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises.
	Private Incorporated: Mutual ditch companies, homeowners associations, corporations.
	Private Individuals, Partnerships, and Sole Proprietors: Private parties may be eligible for funding.
	Non-governmental organizations (NGO): Organization that is not part of the government and is non-profit in nature.
	Covered Entity: As defined in Section 37-60-126 Colorado Revised Statutes .

Type of Water Project (check all that apply)	
X	Study
	Construction
X	Identified Projects and Processes (IPP)
	Other

Category of Water Project (check all that apply and include relevant tasks)		
	Supply and Demand Gap Projects - Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap. <i>Applicable Exhibit A Task(s):</i>	
	Water Storage Projects - Projects that facilitate the development of additional storage, artificial recharge into aquifers, and dredging existing reservoirs to restore the reservoirs' full decreed storage capacity. <i>Applicable Exhibit A Task(s):</i>	
	Conservation and Land Use Planning Projects - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. <i>Applicable Exhibit A Task(s):</i>	
	Engagement & Innovation Projects - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application available on the website. <i>Applicable Exhibit A Task(s):</i>	
	Agricultural Projects - Projects that provide technical assistance and improve agricultural efficiency. <i>Applicable Exhibit A Task(s):</i>	
X	Environmental & Recreation Projects – Projects that promote watershed health, environmental health, and recreation. <i>Applicable Exhibit A Task(s):</i>	
	Other	Explain:

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Location of Water Project

Please provide the general county and coordinates of the proposed project below in **decimal degrees**. The Applicant shall also provide, in Exhibit C, a site map if applicable.

County/Countries	Routt County
Latitude	40.476
Longitude	106.783

Water Project Overview

Please provide a summary of the proposed water project (200 words or less). Include a description of the project and what the CWP Grant funding will be used for specifically (e.g., studies, permitting process, construction). Provide a description of the water supply source to be utilized or the water body affected by the project, where applicable. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, and area of habitat improvements, where applicable. If this project addresses multiple purposes or spans multiple basins, please explain.

The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.

If funded, the City of Steamboat Springs (City) and the Mount Werner Water and Sanitation District (Mt. Werner Water) are proposing to develop a Critical Community Wildfire Watershed Protection Plan (CWP)² for the Fish Creek Basin. The primary objective is to develop a plan through an open and collaborative process with stakeholders that will clearly define and prioritize site specific measures within the watershed, and at the water treatment plant to implement before, during, and after a wildfire event to protect critical drinking water supply and infrastructure and watershed health.

The City and Mt. Werner Water operate a joint water supply and treatment system to supply their respective service districts within the greater Steamboat Springs area. Within this service area there are a total of 5,530 residential and commercial taps. The majority of the raw water that supplies the community (over the last five years the average was 93%), comes from the 22 square mile Fish Creek Basin, a heavily forested watershed that sits primarily within the US Forest Service boundary. Two reservoirs – Long Lake Reservoir and Fish Creek Reservoir – supply the direct diversion at Fish Creek to a conventional filtration treatment plant near the City limits.

Measurable Results

To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable:

	New Storage Created (acre-feet)
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive

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Measurable Results		
4,563 acre-feet (4,167 at Fish Creek Reservoir and 396 at Long Lake Reservoir)	Existing Storage Preserved or Enhanced (acre-feet)	
234,351 linear feet	Length of Stream Restored or Protected (linear feet)	
	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
	Area of Restored or Preserved Habitat (acres)	
	Quantity of Water Shared through Alternative Transfer Mechanisms	
	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning	
	Other	Explain:

Water Project Justification
<p>Provide a description of how this water project supports the goals of Colorado's Water Plan, the most recent Statewide Water Supply Initiative, and the applicable Roundtable Basin Implementation Plan and Education Action Plan. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers).</p> <p>The proposed water project shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan Framework for State of Colorado Support for a Water Project (CWP, Section 9.4, pp. 9-43 to 9-44;)</p> <p>The project supports the goals of the Colorado Water Plan by addressing the health of the Fish Creek watershed as discussed in section 7.1 – Watershed Health and Management, through identifying strategies to reduce risk of wildfire, and forming a post wildfire plan to protect the health of the area's drinking water supply. In addition the project will support the Watershed Wildfire Protection Group (p.7-7), whose vision is to "protect Colorado water supplies and critical infrastructure from catastrophic wildfire and other threats by maintaining healthy, resilient watersheds through collaboration, implementation, leveraging, and education." Our project conforms to the Colorado Water Plan's Framework for State of Colorado Support for a Water Project as it aligns with Colorado's Water Values in the following ways: The project shows commitment to collaboration by having multiple contributing partners and stakeholders, addresses an identified water gap as it is a defined need listed in the local BIP, demonstrates sustainability by incorporating best management practices, and is fiscally and technically feasible because the City and Mt. Werner Water are sharing the costs and are committed to contributing the staff and resources needed to complete the project.</p> <p>The Statewide Water Supply Initiative's recommendation to "develop and support risk management strategies so that Colorado can fully use its compact and decree entitlements to best balance Colorado's diverse water needs" is supported by our project.</p> <p>In addition, the Yampa-White-Green Basin Implementation Plan goals align with our project as noted in the Executive Summary page E-2 - "Maintaining and considering the existing</p>



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Water Project Justification

natural range of water quality that is necessary for current and anticipated water uses,” and “Identifying and Addressing Municipal and Industrial Water Shortages”. In addition, the BIP states in section 4-3 that Fish Creek is one of the higher risk areas for wildfire, and is ranked the highest in the Yampa Basin for both drinking water importance areas and drinking water risk. This project is critical to address now given the importance of this watershed area, the high risk of wildfire, and the absence of strategic and focused recommendations. The project is also part of the Watershed Planning Process (ID#18) within the Environmental and Recreational IPP’s that were identified in the BIP.

The [2014 State of the Upper Yampa River Watershed Report](#) listed wildfires as a factor that influences water quality in the watershed as they can result in loss of upland vegetation and riparian habitat, increased erosion and sedimentation, chemical-loading, higher stream temperatures, and flooding from burned areas. With the threat of wildfire to the community’s drinking water supply and watershed health being identified as a high concern in this report, the 2016 Upper Yampa River Watershed Plan recommended several wildfire-related projects, including Fish Creek wildfire protection and preparedness planning and mitigation treatments that reduce burn severity within the watershed to avoid development of hydrophobic soils and related erosion.

In addition to providing the majority of the drinking water for the Steamboat Springs community, Fish Creek provides key habitat for mountain whitefish, one of the few remaining native fish species in the Upper Yampa Basin. The 2017 Yampa River Health Assessment Report (a technical memo that will be incorporated into the in-progress Steamboat Springs Stream Management Plan) identified Fish Creek as a place of thermal refuge for whitefish during late-season, low-flows in the Yampa River.

When this project is complete, the final published plan will be shared with partners on the Yampa White Green Roundtable, and communicated online via their website at www.yampawhitegreen.com. The City and Mt. Werner Water will begin evaluating the prioritized recommendations and action plans, and begin planning for the staffing and budget needed to implement these action items.

Related Studies

Please provide a list of any related studies, including if the water project is complementary to or assists in the implementation of other CWCB programs.

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Related Studies

The Fish Creek Critical Community Watershed Wildfire Protection Plan will be informed by and complement the following existing plans with more specific recommendations and details on watershed and protection:

Routt County Multi-Hazard Mitigation Plan (December 2010)
Routt County Community Wildfire Protection Plan (September 2010)
Fish Creek – Sanctuary Community Wildfire Protection Plan (May 2007)
Upper Yampa State of the Watershed Report (2014)
Upper Yampa River Watershed Plan (May 2016)
Medicine Bow Routt National Forest – Forest Plan (1998)
Steamboat Springs Yampa River Management Plan (In progress)

Previous CWCB Grants, Loans or Other Funding

List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order; 6) Percentage of other CWCB funding for your overall project.

The City of Steamboat Springs is in the process of completing a Yampa River Stream Management Plan update and has one open grant with the CWCB – Colorado Watershed Restoration Program and one open grant with the Water Supply Reserve Account for this project. Details are as follows:

1. Applicant: City of Steamboat Springs
2. Water Activity Name: Yampa River Management Plan
3. Approving RT: Yampa White Green Basin Roundtable
4. CWCB Board meeting date – July 2016
5. WSRF Purchase Order # POGG1 2017-361
6. CWCB Colorado Watershed Restoration Program Grant - \$51,875 and CWCB Water Supply Reserve Fund Grant - \$21,000

The City completed a Water Conservation Plan with the assistance of a CWCB Water Efficiency Grant Program Fund grant. This grant is completed and closed out. Details are as follows:

1. Applicant: City of Steamboat Springs
2. Water Activity Name: Water Conservation Plan
3. Approving RT: Yampa White Green Basin Roundtable
4. Division of Water Conservation Purchase Order # OE PDA 10000000108
5. CWCB Water Efficiency Grant - \$15,358

In addition, the City collaborated with Mt. Werner Water on a grant to implement the Water Conservation Plan as noted above.

1. Applicant: Mount Werner Water Sanitation District
2. Water Activity Name: Water Conservation Implementation Measures
3. Approving RT: Yampa White Green Basin Roundtable
4. Division of Water Conservation Purchase Order # 12000000070
5. CWCB Water Efficiency Grant - \$49,500

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Previous CWCB Grants, Loans or Other Funding

Taxpayer Bill of Rights

The Taxpayer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect your application.

The City of Steamboat Springs “debruced” in 1997, so our project will not be affected by TABOR.

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Submittal Checklist	
X	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract .
Exhibit A	
X	Statement of Work ⁽¹⁾
X	Budget & Schedule ⁽¹⁾ (<i>Spreadsheet</i>)
X	Letters of Matching and/or Pending 3 rd Party Commitments ⁽¹⁾
Exhibit C	
X	Map (if applicable) ⁽¹⁾
X	Photos/Drawings/Reports
X	Letters of Support (Support letter from Basin Roundtable encouraged)
Will Provide During Contracting	Certificate of Insurance (General, Auto, & Workers' Comp.) ⁽²⁾
Will Provide During Contracting	Certificate of Good Standing with Colorado Secretary of State ⁽²⁾
X	W-9 ⁽²⁾
N/A	Independent Contractor Form ⁽²⁾ (If applicant is individual, not company/organization)
Engagement & Innovation Grant Applicants ONLY	
N/A	Engagement & Innovation Supplemental Application ⁽¹⁾

(1) Required with application.

(2) Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.

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Colorado Water Conservation Board

Water Plan Grant - Exhibit A

Statement Of Work

Date:	2/2/18
Name of Applicant:	City of Steamboat Springs
Name of Water Project:	Fish Creek Critical Community Wildfire Watershed Protection Plan (CWP) ²
Funding Source:	Water Plan Grant
<p>Water Project Overview: Please provide a summary of the proposed water project (200 words or less). The same summary can be used from Page 5 of the CWP Grant Application.</p> <p>The City of Steamboat Springs (City) and the Mount Werner Water and Sanitation District (MWWSO) operate a joint water supply and treatment system to supply their respective service districts within the greater Steamboat Springs area. The majority of the raw water that supplies the City and MWWSO comes from the 22 square mile Fish Creek Basin, a heavily forested watershed that sits primarily within the US Forest Service boundary. Two reservoirs near the top of the watershed – Long Lake Reservoir and Fish Creek Reservoir – supply the direct diversion at Fish Creek to a conventional filtration treatment plant near the City limits. The risk that a wildfire would impact the Fish Creek basin and, ultimately, the Fish Creek Water Treatment Plant is relatively significant according to data from the Colorado State Forest Service Wildfire Risk Assessment (see attached map.)</p> <p>The 2014 State of the Upper Yampa River Watershed Report listed wildfires as a factor that influences water quality in the watershed as they can result in loss of upland vegetation and riparian habitat, increased erosion and sedimentation, chemical-loading, higher stream temperatures, and flooding from burned areas. With the threat of wildfire to the community's drinking water supply and watershed health being identified as a high concern in this report, the 2016 Upper Yampa River Watershed Plan recommended several wildfire-related projects, including Fish Creek wildfire protection and preparedness planning and mitigation treatments that reduce burn severity within the watershed to avoid development of hydrophobic soils and related erosion.</p> <p>In addition to providing the majority of the drinking water for the Steamboat Springs community, Fish Creek provides key habitat for mountain whitefish, one of the few remaining native fish species in the Upper Yampa Basin. The 2017 Yampa River Health Assessment Report (a technical memo that will be incorporated into the in-progress Steamboat Springs Stream Management Plan) identified Fish Creek as a place of thermal refuge for whitefish during late-season, low-flows in the Yampa River.</p>	

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Therefore, the City and MWWSD are proposing to develop a Critical Community Wildfire Watershed Protection Plan (CWP)² for the Fish Creek Basin. The primary objective is to develop a plan through an open and collaborative process with stakeholders that will clearly define and prioritize site specific measures to implement within the watershed as a whole before, during, and after a wildfire event to protect critical drinking water supply and infrastructure and watershed health. The plan shall also identify planned actions and improvements to implement at the reservoirs and water treatment plant in response to a wildfire event and subsequent secondary hazards and impacts of post fire flooding, debris flows, etc.

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Objectives: List the objectives of the project.
<ol style="list-style-type: none"> 1) Establish a core team and engage a broad range of stakeholders to participate in the development of the (CWP)². 2) Build upon previous efforts by synthesizing data, findings, and action items identified in existing relevant studies and identify additional data needs. 3) Evaluate wildfire risk and hazardous conditions in the Fish Creek Basin through a Watershed Risk Assessment. 4) Identify any remaining hazard reduction strategies and/or post-fire control measures to be applied for short-term stabilization and long-term restoration of the watershed that protect the Water Treatment Plant (WTP), Fish Creek and Long Lake Reservoirs, and the watershed as a whole. 5) Assess potential impacts to water quality and identify WTP and/or reservoir improvements or operational modifications to address the various treatment conditions. 6) Identify temporary emergency water treatment options to utilize an alternate surface water source to provide safe drinking water immediately after a wildfire event within the Fish Creek Basin. 7) Develop and deliver a final report and executive summary.

Tasks
Task 1 - Establish Core Team
Description of Task:
Establish a core team that will operate as an advisory committee to lead the planning effort throughout the development of the plan and The core team will likely include representatives from the City, MMWSD, Routt County, Steamboat Springs Fire District, the US Forest Service and the Colorado State Forest Service as prescribed by the Healthy Forests Restoration Act (HRFA).
Method/Procedure:
Frank Alfone, MMWSD's General Manager, and Kelly Romero-Heaney, the City's Water Resources Manager, will select and co-facilitate the core team. The City will contract a qualified Project Manager to coordinate the work of the core team in addition to completing Tasks #2-7 of the project.
Grantee Deliverable: Describe the deliverable the grantee expects from this task
An executed contract with a qualified Project Manager. A Core Team kick-off meeting.
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task
Meeting minutes provided upon request.

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Tasks	
Task 2 - Stakeholder engagement and collaboration	
Description of Task:	
Input from diverse stakeholders will be crucial to successfully developing a (CWP) ² that is implementable due to substantial public support. Local, state, and federal agencies will be engaged to contribute specialized knowledge and technical expertise to the planning process and to provide technical assistance and support.	
Method/Procedure:	
<p>The consultant will coordinate with City and MWWSD staff to develop an engagement and outreach plan to recruit and engage a diverse and broad range of stakeholders to participate at various levels of engagement in the development of a (CWP)². The engagement and outreach plan will include user friendly engagement opportunities to make the collaborative process accessible to encourage stakeholder participation. Engagement and outreach efforts should be continuous throughout the process to encourage community participation and foster long term involvement.</p> <p>The core team shall identify potential stakeholders and determine whether targeted or general outreach is appropriate for each entity. Potential stakeholders include but are not limited to:</p> <ul style="list-style-type: none"> • Mount Werner Water • City of Steamboat Springs • US Forest Service • Colorado State Forest Service • Steamboat Springs Fire District • Routt County (Environmental Health, Planning, Commissioners, and Office of Emergency Management) • Ski Corp • The Sanctuary Home Owners Association • Steamboat II Metropolitan District • Rollingstone Golf Course • Colorado Dep't. Public Health & Environment • US Geologic Survey • Natural Resource Conservation Service • CO Dep't of Local Affairs • Colorado Parks & Wildlife • Federal Office of Emergency Management • Colorado Water Conservation Board • Yampa/White/Green Basin Roundtable • Upper Yampa Watershed Group • Interested community members • Local and regional special interest groups 	
Grantee Deliverable: Describe the deliverable the grantee expects from this task	
Engagement & Outreach Plan and meeting minutes.	
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task	
Engagement & Outreach Plan; meeting minutes provided upon request.	

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Tasks	
Task 3 - Gather and Evaluate Reports & Data	
Description of Task:	<p>The Fish Creek Watershed has been included within, or as, the subject area for numerous studies including the 2010 Routt County Community Wildfire Protection Plan, the 2007 Fish Creek – Sanctuary Community Wildfire Protection Plan, the Upper Yampa Watershed Plan, and other forest & hydrology related studies. A review of these and other identified sources will be conducted and the relevant data, findings, and action items will be integrated into the project.</p> <p>Data gaps will be identified and baseline data will be collected, or a sampling and analysis plan for collecting baseline data will be developed if the data collection period exceeds the timeline of the (CWP)², to predict potential changes in water chemistry after a wildfire.</p>
Method/Procedure:	<p>The Project Manager shall gather and compile data necessary for the development of the (CWP)² from various resources including existing studies and reports. Where possible the Project Manager should utilize data that is readily available from various sources including publicly accessible databases and GIS, technical publications, and key stakeholders with local knowledge and technical expertise. The Project Manager shall also review available information about the existing Fish Creek water supply infrastructure, operations, and treatment facility in order to evaluate potential modifications in response to a wildfire event.</p> <p>Data gaps will be identified and a sampling and analysis plan will be developed and initiated by the Project Manager for baseline data collection. Prior to conducting any field work the consultant shall prepare a list of data to be collected and develop a sampling and analysis plan for each data set for submittal to the core group for approval.</p>
Grantee Deliverable: Describe the deliverable the grantee expects from this task	
A summary of data and existing reports section in the Final Report. A sampling and analysis plan.	
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task	
The Final Report	
Tasks	
Task 4 - Conduct a Watershed Risk Assessment & Develop a Working Map of Prioritized Watersheds in the Planning Area	
Description of Task:	

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Tasks	
<p>The Project Manager shall conduct a watershed risk assessment by evaluating the following components (or other agreed upon method as proposed by the Project Manager) that are integral in evaluating hazardous watershed conditions:</p> <ul style="list-style-type: none"> • Wildfire Hazard • Flooding/debris flow risk • Soil Erodibility • Water Uses Ranking <p>A final watershed prioritization map shall be created by adding the water uses ranking to the composite ranking map and overlaying both onto the working map of the planning area.</p>	
Method/Procedure:	
<p>The Project Manager shall develop a working map of the planning area by incorporating existing plans and data to include populated areas, land ownerships, infrastructure, vegetative conditions, and special biological conditions. The core team and key stakeholders will identify and agree on the area to be included in the plan.</p> <p>The evaluation of the first three components of the watershed risk assessment will produce a composite hazard ranking map to compare relative watershed hazards based solely on physical factors. Together the group shall identify and agree on the zones of concern which are source water areas above critical surface water infrastructure including intakes, diversions, reservoirs, and treatment facilities having the greatest potential for contributing significant amounts of sediment and debris. The final watershed prioritization map will be developed in collaboration with the core group and key stakeholders.</p>	
Grantee Deliverable: Describe the deliverable the grantee expects from this task	
A Final Watershed Prioritized Map and a Watershed Risk Assessment section in the Final Report	
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task	
A Final Watershed Prioritized Map & the Final Report	
Tasks	
Task 5 - Develop and Prioritize Action Steps	
Description of Task:	
<p>The plan will include specific steps for implementing recommendations and provide a prioritized summary listing of all planned action steps and projects, including cost estimates.</p>	
Method/Procedure:	

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Tasks	
<p>The Project Manager shall develop and prioritize recommended action steps based on the critical watershed assessment and the zones of concern identified with a 10-year planning and implementation horizon. A range of costs will be estimated for each action and incorporated into the method for prioritization. Stakeholder input shall be captured and integrated into the prioritized action steps. Site specific recommendations will be developed for mitigation, response, and recovery measures with respect to the watershed and to the Fish Creek water supply infrastructure and operations. At a minimum the recommendations shall:</p> <ol style="list-style-type: none"> 1) Identify any remaining hazard reduction strategies 2) Identify the post-fire control measures to be applied for <ol style="list-style-type: none"> a. Short-term stabilization of the watershed and the WTP b. Long-term restoration of the watershed and protection of the WTP 3) Assess potential impacts to water quality and identify WTP improvements to address the various treatment conditions. <ol style="list-style-type: none"> a. Establish water chemistry baseline (develop sampling analysis plan) b. Predict water chemistry impact scenarios c. Identify measures to modify existing operations to accommodate post-wildfire water chemistry and potential capital improvements d. Identify improvements to the water treatment facility based on the various anticipated water quality impacts such as the following: <ol style="list-style-type: none"> i. High sediment/turbidity ii. Ash-laden water iii. Increased total & dissolved organics iv. Taste & odor v. Nutrients (nitrogen, phosphorus, sulfur) vi. Trace organics (dioxin, fire retardants, forest service chemicals, mine wastes, etc.) vii. Metals (mine wastes, naturally occurring, or released from wildfire) viii. pH & Alkalinity changes ix. Algae and algal toxins x. Microbials (Cryptosporidium, Giardia, coliform, viruses) 4) Identify temporary emergency mobile water treatment units to utilize an alternate surface water source to provide safe drinking water immediately after a wildfire event within the Fish Creek watershed. 5) Analyze how reservoir operations could be modified to mitigate post-fire impacts <p>These measures must be developed considering delayed impacts of the event over a minimum period of 10 years after the event and should address measures within the watershed as well as improvements for the water facility including modification of the existing facility and treatment processes, expansion and construction of additional treatment processes.</p>	
Grantee Deliverable: Describe the deliverable the grantee expects from this task	
A Prioritized Actions Section(s) in the Final Report	
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task	
The Final Report	
Tasks	
Task 6 - Final Report & Presentation(s)	



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Tasks
Description of Task:
Completion of a Final Report & Presentation to the Steamboat Springs City Council and the Mount Werner Water Board of Directors
Method/Procedure:
<p>The Project Manager shall compile a final report that, at a minimum, includes the following sections:</p> <ol style="list-style-type: none">1) Core Team & Key Stakeholders2) Executive Summary3) Introduction4) Purpose and objectives5) The Planning Process6) Summary of Data7) Watershed Risk Assessment8) Summary of Findings9) Specific Recommendations & Priorities10) Plans & Projects11) Opinion of Probable Costs12) Implementation Strategy & Action Plan13) Monitoring and Evaluation14) Appendices (maps, models, data, references, etc)
Grantee Deliverable: Describe the deliverable the grantee expects from this task
The Final Report and Appendices & Presentation(s)
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task
The Final Report and Appendices

Budget and Schedule
This Statement of Work shall be accompanied by a combined Budget and Schedule that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format.

Reporting Requirements
<p>Progress Reports: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status of the tasks identified in the statement of work, including a description of any major issues that have occurred and any corrective action taken to address these issues. The CWCB may withhold reimbursement until satisfactory progress reports have been submitted.</p>

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Reporting Requirements

Final Report: At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant's letterhead that:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

The CWCB will withhold disbursement the last 10% of the budget until the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.



COLORADO
Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Water Plan Grant - Detailed Budget Estimate

Fair and Reasonable Estimate

Date: 2/1/2018

Name of Applicant: City of Steamboat Springs

Name of Water Project: Fish Creek Critical Community Wildfire Watershed Protection Plan (CWP)2

* Note that the City of Steamboat Springs will provide this data once a contractor is selected via the City's competitive bid process and prior to the execution of the CWCB/City of Steamboat P.O.

EXAMPLE A: Coordination

Task 1 - [TASK NAME]									
Sub-task	Item	Hourly Rate	# Hours	Sub-total	Item Cost	Item Quantity	Sub-total	Total	Other Matching Funds
Focus Groups	Participant Stipend								
	Catering								
	Feedback Survey								
Develop Exhibit	Staff Time								
	Exhibit Designer								
	Staff Time								
	Film Production								
	(filming, editing, production)								
TOTAL									

EXAMPLE B: Construction/Engineering

Task 1 - Engineering									
Sub-task	Water Consultants					Subcontracts			
	Senior Principal Engineer	Senior Water Resources Engineer/Consultant	Water Resources Engineer	Geologist/Water Resources Analyst	Subtotal	Environmental and Cultural Resources	Water Rights and other Legal	Technical editing and proofing	Report Word Processing and Graphic Design
	\$	190	\$	160	\$	130	\$	100	\$
Estimated Hours									
Project Initiation / Stakeholder Identification									
Water Rights Evaluation									
Geotechnical and Eng Eval									
Environ Analysis & Cultural Res Inventory									
Landowner & Flood Mitigation									
Project Total					Subtotal				
Other Matching Funds					CWCB Funds				

Funding Opportunities
Cooperative Partnership & Stakeholder Involvement
Project Management
Report, Conclusions, & Recommendations

Task 2 - ?

Subtotal Hours
Subtotal Labor/ Subcontractor cost
Subcontractor Administration Fee @ 5%
Other Direct Costs (see below)

TOTAL

Other Direct Costs

Item:	Copies & Printing (Black & White)	Copies & Printing (Color)	Materials and Final Report Production	Lodging and Meals	Travel Expenses (Airfare and Car Rental)	Mileage	Total
Units:	No.	No.	Lump Sum	Per Diem	Lump Sum	Miles	
Unit Cost:							
Project Initiation							
Water Rights Evaluation							
Geotechnical and Engineering Evaluation							
Environmental Analysis and Cultural Resources Inventory							
Landowner and Flood Mitigation Funding Opportunities							
Cooperative Partnership and Stakeholder Involvement							
Project Management							
Report, Conclusions and Recommendations							
Total Units:							
Total Cost:							

NOTES:

*When the application has been approved by the Board, and this budget document is being submitted for PO or contract processing, the "Name of Applicant" field MUST be changed to "Name of GRANTEE" and remove the DATE field.

Mount
Werner
Water



January 30, 2018

Linda Bassi
Colorado Water Conservation Board
1313 Sherman Street, Room 721
Denver, CO 80203

RE: Water Plan Grant, Fish Creek Critical Community Wildfire Watershed Protection Plan

Dear Ms. Bassi,

As the Manager of the Mount Werner Water and Sanitation District (MWWSD), I would like to voice support of the City of Steamboat Springs' (City) efforts to develop a Critical Community Wildfire Watershed Protection Plan (CWP)² for the Fish Creek Basin. This project is important for the residents of Steamboat Springs and customers of MWWSD to protect critical drinking water supply, infrastructure and watershed health.

Although the City is the applicant and shall serve as the fiscal agent for the project, MWWSD and the City are partnering on the CWP². Therefore, MWWSD will commit \$50,000 in matching funds towards the total project cost equaling \$150,000.

The City of Steamboat Springs and Mount Werner Water and Sanitation District operate a joint water supply and treatment system to supply their respective Districts. The majority of the raw water that supplies the City and MWWSD comes from the 22 square mile Fish Creek Basin. We feel that the development of this plan is extremely important to define and prioritize site specific measures to implement within the watershed as a whole before, during, and after a wildfire event. The additional objectives of the (CWP)² that include identifying planned actions and improvements to implement at our storage reservoirs and at the water treatment plant directly align with the District's mission to provide our customers the highest quality and most cost-effective water.

Mount Werner Water works closely with the City of Steamboat Springs on providing safe, cost-effective and high quality water services for residents. We look forward to working with the City of Steamboat Springs and other key stakeholders on this project and appreciate your serious consideration of this grant application.

Sincerely,

A handwritten signature in black ink, appearing to read 'Frank Alfano', with a long horizontal line extending to the right.

Frank Alfano, General Manager
Mount Werner Water and Sanitation District



Upper Yampa River Watershed Group



March 6, 2018

Linda Bassi
Colorado Water Conservation Board
1313 Sherman Street, Room 721
Denver, CO 80203

RE: Fish Creek Critical Community Wildfire Watershed Protection Plan Grant – Letter of Support

Dear Ms. Bassi,

Please accept this letter from the Upper Yampa River Watershed Group (UYRWG) in support of the water plan implementation grant application by the City of Steamboat Springs and Mount Werner Water and Sanitation to develop the Fish Creek Critical Community Wildfire Watershed Protection Plan.

The UYRWG is an organization comprised of representatives from local government, water suppliers, environmental organizations, the US Forest Service, Colorado Parks & Wildlife, industry, agriculture, and other stakeholders in the Upper Yampa Basin. The UYRWG recently published the [2014 State of the Upper Yampa River Watershed Report](#) and [2016 Upper Yampa River Watershed Plan](#) which identifies and prioritizes projects and strategies that will help support the health of the watershed.

Specifically, the Plans listed above identify potential wildfire impacts to water quality which could include loss of upland vegetation and riparian habitat, increased erosion and sedimentation, undesired chemical-loading, higher stream temperatures, and flooding from burned areas. With the threat of wildfire to the community's drinking water supply and watershed health being classified as a high concern, the Watershed Plan recommends several wildfire-related projects including Fish Creek wildfire protection and preparedness planning and mitigation treatments that reduce burn severity within the watershed to avoid development of hydrophobic soils and related erosion.

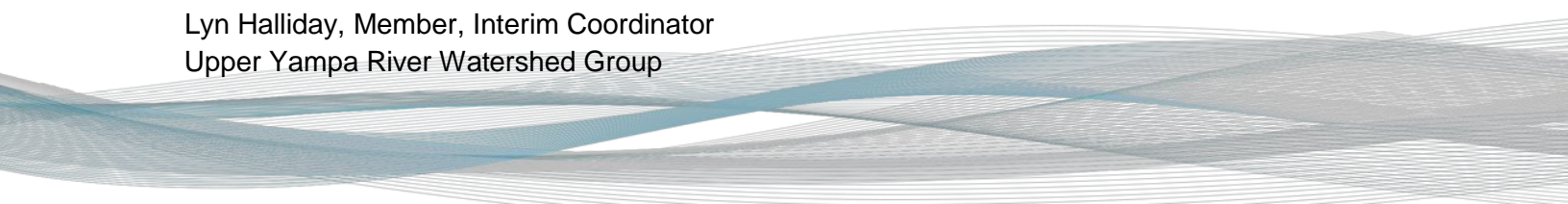
The UYRWG strongly supports the aforementioned request for funding as vital to the current and future health of our watershed.

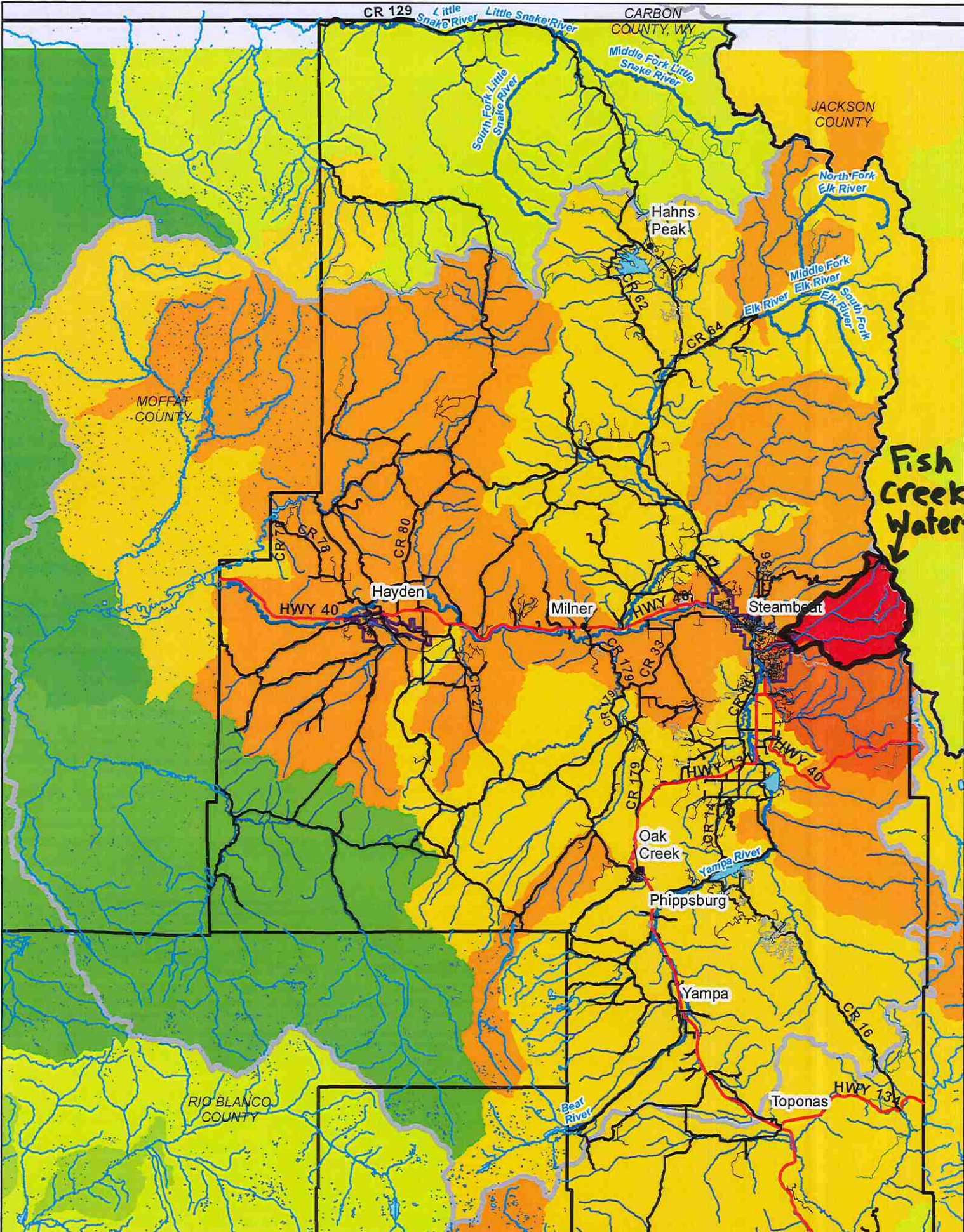
Thank you for your serious consideration of this important project. I can be reached at 970.879.6323 or lhalliday@environmentalsolutionllc.com should you have questions or additional needs.

Sincerely,

Lyn Halliday

Lyn Halliday, Member, Interim Coordinator
Upper Yampa River Watershed Group





Routt County Drinking Water Importance Areas

A measure of quality and quantity of public surface drinking water categorized by watershed.
Data provided by Colorado State Forest Service
Wildfire Risk Assessment Project

	1 Lowest		4		7	HUC8 Boundary
	2		5		8	
	3		6		9	
					10 Highest	

This map is for planning purposes only. It was prepared from publicly available information. Any other use or reproduction of the information is the sole responsibility of the user. This map should not be used to establish legal rights, boundaries, lines, locations or in place of maps or utilities. It is based upon the best available information. Routt County accepts no liability for any errors or omissions or for any consequences arising from the use of this map.

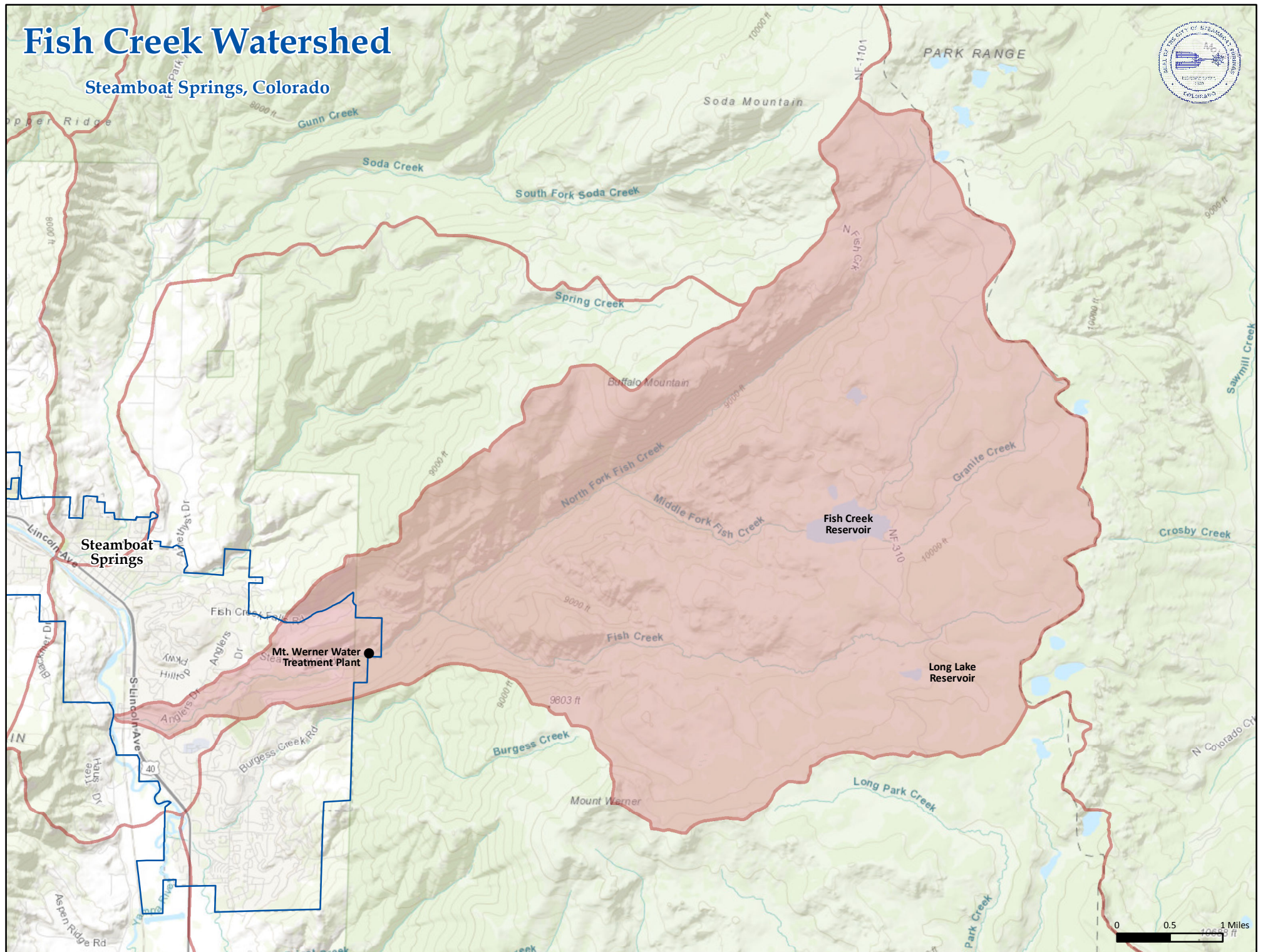


1:600,000



Fish Creek Watershed

Steamboat Springs, Colorado



City of Steamboat Springs



January 29, 2018

1:18,056

0 0.175 0.35 0.7 mi
0 0.35 0.7 1.4 km

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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics,
CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User

GIS Services
Microsoft | Esri, HERE, Garmin, IPC |

Fish Creek Critical Community Watershed Wildfire Protection Plan (photos page 1):

Fish Creek Reservoir



Fish Creek Reservoir has a large amount of mature lodge pole pine trees, both living and beetle-killed, surrounding the lake. Steep hillsides could, after a wildfire event, cause massive erosion and runoff that could infiltrate the reservoir, elevating nutrient and sediment loads.

The road to Fish Creek Reservoir is unmaintained and would be difficult for firetrucks and emergency vehicles to travel on in cases of wildfire.



Fish Creek Critical Community Watershed Wildfire Protection Plan (Photos page 2):

Long Lake Reservoir



Thick, dense forest surrounds Long Lake and the creeks that flow from it. Like Fish Creek Reservoir, a wildfire event would clear the forest and create erosion and runoff that could infiltrate the lake. The forks of Fish Creek feed into a conventional filtration treatment plant near the City of Steamboat Springs city limits.



Yampa White Green Basins Roundtable

January 30, 2018

Linda Bassi
Colorado Water Conservation Board
1313 Sherman Street, Room 721
Denver, CO 80203

Re: Fish Creek Critical Community Watershed Wildfire Protection Plan

Dear Ms. Bassi,

At the January 10th, 2018 meeting of the Yampa White Green Basin Roundtable, the membership voted unanimously to support the aforementioned project.


The City of Steamboat Springs and Mount Werner Water Sanitation District propose to work together to develop a Fish Creek Critical Community Watershed Wildfire Protection Plan for the Fish Creek Basin, in order to define, and prioritize site specific measures to implement before, during and after a wildfire event in that location. The City and Mount Werner Water plan to bring together a diverse group of local interests to include feedback and address concerns over public safety, community sustainability, and natural resources.

As is noted in the Yampa/White/Green Basin Implementation Plan (BIP), the community of Steamboat Springs is particularly at risk for wildfire impacts to drinking water, as their water supply comes from Fish Creek and Fish Creek Reservoir, both of which are supplied by runoff from forested lands. Fish Creek watershed is one of the higher risk areas for wildfire-water quality issues, and is ranked highest in the Yampa Basin for both drinking water importance areas and drinking water risk.

We support this project as it is applicable within the Basin Roundtable's BIP under the following goal: *Maintain and consider the existing natural range of water quality that is necessary for current and anticipated water uses.*

Please do not hesitate to contact me with any questions.

Sincerely,

A handwritten signature in black ink, consisting of a large, stylized 'J' followed by a series of loops and a long horizontal line extending to the right.

Jackie Brown, Chair
(970) 819-2484
jbrown@tristategt.org



Forest
Service

Medicine Bow – Routt National Forests
and Thunder Basin National Grassland

Hahns Peak/Bears Ears District
925 Weiss Drive
Steamboat Springs, CO 80487-9315

Date: 1/17/18

Linda Bassi
The Colorado Water Conservation Board
1313 Sherman Street; Room 721
Denver, CO 80203

To Whom It May Concern:

The Hahns Peak /Bears Ears Ranger District fully supports the City of Steamboat Springs, in cooperation with Mount Werner Water and Sanitation District, in the development of a Critical Community Wildfire Watershed Protection Plan for the Fish Creek Basin. The Forest Service believes that this plan will help all parties involved to develop a plan that outlines the risks and the possible mitigations needed in the event of an unplanned event or natural disaster.

Chad Stewart
Hahns Peak/Bears Ears District Ranger

970-870-2149



It's Cool to Be Safe

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STEAMBOAT SPRINGS DISTRICT
2667 Copper Ridge Circle, Unit 1
Steamboat Springs, Colorado 80487
(970) 879-0475

January 25, 2018

Linda Bassi
The Colorado Water Conservation Board
1313 Sherman Street, Room 721
Denver, CO 80203

Dear Linda,

It is my pleasure to write this letter of support for the "Fish Creek Critical Community Watershed Wildfire Protection Plan" grant application. This effort is timely; Routt County experienced two Type II fires in 2017 and public concern and awareness regarding wildland fire and its impacts are high. It is also timely because the US Forest Service, the Colorado State Forest Service, the City of Steamboat Spring, and Colorado Parks and Wildlife are currently collaborating on vegetative treatments in and around the Fish Creek Basin through a "Good Neighbor Agreement". Over two hundred acres were treated for fuels and habitat improvement through this collaboration in 2017, and additional treatments are planned. This watershed planning effort would be invaluable in informing land managers where some of those treatments might be best located to best protect the watershed before, during, and after a fire event.

Wildland Fire Mitigation is a significant part of the Colorado State Forest Service's mission. We strongly support these efforts to strategically protect critical drinking water supplies through collaboration and appropriate forest management. Please don't hesitate to contact me if you have any questions or would like any additional information.

Sincerely,

John Twitchell
District Forester

Routt County Office of Emergency Management
136 6th St., #113
PO Box 773598
Steamboat Springs, CO 80477-3598
Phone: 970-870-5551



Linda Bassi
The Colorado Water Conservation Board
1313 Sherman Street, Room 721
Denver, CO 80203

Dear Ms. Bassi

Please accept this letter of support from the Routt County Office of Emergency Management for the City of Steamboat Springs project to create a Fish Creek Critical Community Watershed Wildfire Protection Plan.

The objectives of the Office of Emergency Management are to promote a systematic, integrated, and cooperative approach to emergency and disaster planning, response, and recovery, integrating mutual assistance agreements and organizational and municipal emergency action plans, to ensure population protection and facilitate post-disaster recovery operations.

One of the primary goals of the Routt County Office of Emergency Management in 2018 is to update the County Hazard Mitigation Plan. The purpose of hazards mitigation is to reduce or eliminate long-term risk to people and property from natural hazards. Routt County works closely with the municipalities and special districts within the county, to include fire and water districts. Upon completion of the hazard mitigation plan update, the County will embark on the development of its first Threat and Hazard Information and Risk Analysis (THIRA) to ensure all emergency plans and mitigation projects are aligned to the most significant hazards within the county.

This project being pursued by the city of Steamboat Springs is directly in line with Routt County Office of Emergency Management goals and objectives. As such, we are in full support of the City's grant application to the Colorado Water Conservation Board's Water Plan Fund to create the Fish Creek Critical Community Watershed Wildfire Protection Plan.

If you have any questions, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read "David DeMorat". The signature is fluid and cursive, written over the word "Sincerely,".

David DeMorat
Emergency Operations Director
Routt County Office of Emergency Management

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

Print or type
See Specific Instructions on page 2.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
City of Steamboat Springs

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification; check only **one** of the following seven boxes:
☐ Individual/sole proprietor or single-member LLC
☐ C Corporation
☐ S Corporation
☐ Partnership
☐ Trust/estate
☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____
Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner.
☒ Other (see instructions) ▶ **Government Agency**

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):
Exempt payee code (if any) _____
Exemption from FATCA reporting code (if any) _____
(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.)
P.O. Box 775088

6 City, state, and ZIP code
Steamboat Springs, CO 80477

7 List account number(s) here (optional)

Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number								
			-				-	
or								
Employer identification number								
8	4	-	6	0	0	0	7	2

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here Signature of U.S. person ▶ *[Signature]* Controller City of Steamboat Springs Date ▶ 1-3-2017

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding?* on page 2.

By signing the filled-out form, you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.