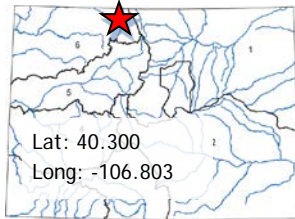




Yampa River Habitat and Recreation Improvement Yampa Valley Stream Improvement Charitable Trust

Water Plan Grant Application

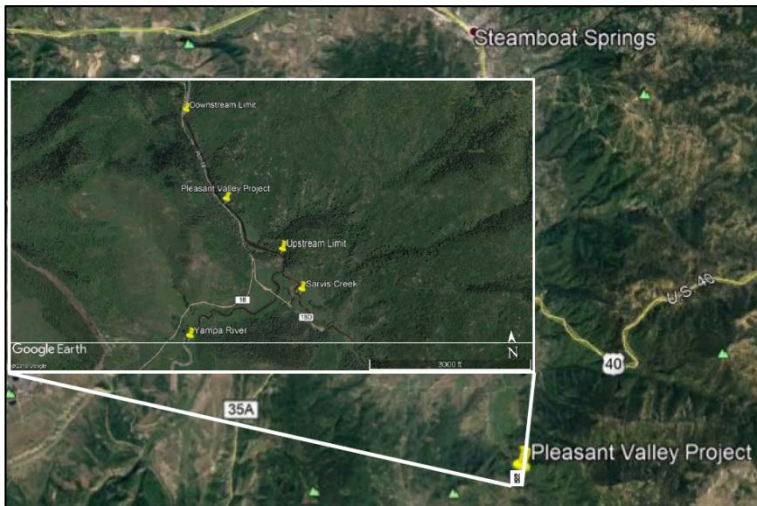


L O C A T I O N	
County/Countries:	Routt
Drainage Basin:	Yampa

D E T A I L S	
Total Project Cost:	\$255,230
Water Plan Grant Request:	\$117,990
Recommended amount:	\$117,990
Other CWCB Funding:	\$0
Other Funding Amount:	\$133,000
Applicant Match:	\$4,240
Project Type(s): Construction, Design-Build	
Project Category(Categories): Environment and Recreation	
Measurable Result: 4,300 linear feet of restored and protected stream, 6 acres of restored and preserved habitat, 14 instream habitat features	

The Yampa Valley Stream Improvement Charitable Trust (YVSICT) has performed river restoration projects in the Yampa Valley since 1985, bringing a strong history of collaboration and successful project delivery and focuses its efforts on engaging participation of the Yampa Valley community, providing volunteer and education opportunities, ensuring accessibility to the general public for recreation and enjoyment, and benefiting the environment, watershed, and fisheries in the Yampa Valley.

This project will utilize the design-build approach to improve health, function, and recreational



opportunities for ~4,300 linear feet of the Yampa River between Stagecoach Reservoir and Lake Catamount, including the recently acquired BLM Hubbard Summer Camp property. This project is a strategic investment for the watershed due to its location between the two reservoirs, which impacts river function and constrains functional habitat. The reach has a minimum instream flow right under Colorado's Instream Flow Program. The reach is adjacent to a high priority reach identified in

the Yampa/White/Green Basin Roundtable non-consumptive needs assessment. The project will improve functional habitat in a critical reach of river and increase longitudinal connectivity of higher quality.

Historic impacts to this reach of the river include highway encroachment, channel straightening, and relocation of large boulders out of the channel toward streambanks. Existing conditions include shallow flow conditions with low instream complexity and degraded habitat value, as well as limited room to meander. Public-access fishing water in the Yampa Valley is becoming increasingly crowded and this project provides higher quality water with year-round fishing access.

CPW Grant funding would be used for planning, engineering, permitting, and construction.



Last Updated: July 2019

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:

Water Storage Projects
Conservation, Land Use Planning
Engagement & Innovation Activities
Agricultural Projects
Environmental & Recreation
Projects

Anna.Mauss@state.co.us
Kevin.Reidy@state.co.us
Ben.Wade@state.co.us
Alexander.Funk@state.co.us
Chris.Sturm@state.co.us

FINAL SUBMISSION: Submit all application materials in one email to

waterplan.grants@state.co.us

in the original file formats [Application (word); Statement of Work (word); Budget/Schedule (excel)]. Please do not combine documents. In the subject line, please include the funding category and name of the project.

Water Project Summary

Name of Applicant	Yampa Valley Stream Improvement Charitable Trust (YVSICT)	
Name of Water Project	Yampa River Habitat and Recreation Improvement Project at Pleasant Valley (Pleasant Valley Project)	
CWP Grant Request Amount		\$117,990
Colorado Healthy Rivers Fund (CHRF)		\$20,000
Yampa Valley Fly Fishers (YVFF) Chapter of Trout Unlimited (TU)		\$20,000
Fishing is Fun		\$84,000
Yampa White Green Roundtable (YWGRT)		\$9,000
Applicant Funding Contribution		\$4,240
Total Project Cost		\$255,230



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Applicant & Grantee Information	
Name of Grantee(s)	Yampa Valley Stream Improvement Charitable Trust
Mailing Address	PO Box 772842, Steamboat Springs, CO 80477
FEIN	84-1018137
Organization Contact	Drew Johnroe
Position/Title	President/Executive Director
Email	djpc@johnroelaw.com or yvsict@gmail.com
Phone	970-724-3632
Grant Management Contact	Drew Johnroe
Position/Title	President/Executive Director
Email	djpc@johnroelaw.com or yvsict@gmail.com
Phone	970-724-3632
Name of Applicant (if different than grantee)	
Mailing Address	
Position/Title	
Email	
Phone	
Description of Grantee/Applicant	
Provide a brief description of the grantee's organization (100 words or less).	
<p>YVSICT has performed river restoration projects in the Yampa Valley since 1985, bringing a strong history of collaboration and successful project delivery. Partners include the YVFF, BLM, and CPW. The YVSICT has collaborated on numerous habitat improvement projects with these partners and a wide diversity of stakeholders over time. YVSICT stays closely aligned with YWGBRT efforts and focuses its efforts, both now and in the past, on engaging participation of the Yampa Valley community, providing volunteer and educational opportunities, ensuring accessibility to the general public for recreation and enjoyment, benefiting the environment, watershed, and fisheries in the Yampa Valley.</p>	



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Type of Eligible Entity (check one)	
	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.
X	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)	
	Study
X	Construction
	Identified Projects and Processes (IPP)
X	Other – Design-Build Project

Category of Water Project (check the primary category that applies and include relevant tasks)	
	Water Storage - Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity and 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>
	Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. <i>Applicable Exhibit A Task(s):</i>
	Engagement & Innovation - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website. <i>Applicable Exhibit A Task(s):</i>
	Agricultural - Projects that provide technical assistance and improve agricultural efficiency. <i>Applicable Exhibit A Task(s):</i>
X	Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. <i>Applicable Exhibit A Task(s): We are requesting funding for Task 1 (Planning & Engineering Design), Task 2 (Permitting), and Task 3 (Construction)</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/Counties	Routt County, CO
Latitude	Upstream Latitude: 40.299619 Downstream Latitude: 40.309878
Longitude	Upstream Longitude: -106.803291 Downstream Longitude: -106.811594

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 B, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.

The Pleasant Valley project will utilize the design-build approach to improve health, function, and recreational opportunities for ~4,300 linear feet of the Yampa River between Stagecoach Reservoir and Lake Catamount, including the recently acquired BLM Hubbard Summer Camp property. This project is a strategic investment for the watershed due to its location between the two reservoirs, which impacts river functions and constrains functional habitat. The reach has a minimum instream flow right under Colorado's Instream Flow Program. The reach is adjacent to a high priority reach identified in the YWGBRT non-consumptive needs assessment. The project will improve functional habitat in a critical reach of river and increase longitudinal connectivity of higher quality.

Historic impacts to this reach of the river include highway encroachment, channel straightening, and relocation of large boulders out of the channel toward streambanks. Existing conditions include shallow flow conditions with low instream complexity and degraded habitat value, as well as limited room to meander. Public-access fishing water in the Yampa Valley is becoming increasingly crowded and this project provides higher quality water with year-round fishing access. A conceptual design planset is included with this application.

CPW Grant funding would be used for planning, engineering, permitting, and construction.



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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	
	Existing Storage Preserved or Enhanced (acre-feet)	
~4,300 linear feet	Length of Stream Restored or Protected (linear feet)	
	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
~6 acres	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	
	Number of Coloradans Impacted by Engagement Activity	
14	Other	Explain: installation of ~14 instream habitat features, including pool-riffle features, grade control, Large Wood (LW) features, and flow training structures
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 Pleasant Valley project has the following objectives, identified to meet the overall project goal of improved stream health, function, and recreational opportunities:</p> <ul style="list-style-type: none">• restoring instream complexity;• increasing deep water holding areas for adult fish;• maintaining and improving existing juvenile trout habitat;• increasing areas of instream cover; and• minimizing negative effect of siltation from upstream tributaries. <p>With these objectives, implementation of the Pleasant Valley project directly aligns with Water Plan goals to “understand, protect, maintain, and improve conditions of streams, lakes, wetlands, and riparian areas to promote self-sustaining fisheries and functional riparian and wetland habitat to promote long-term sustainability and resiliency” (CWP, Section 6.6, 6-157) and supports its high-level goal to ensure our state’s most valuable resource is protected and available for generations to come (CWP, Chapter 1, p. 1-12).</p> <p>This project directly supports Colorado water values and Critical Action Plan goals as stated in Section 10.1 of the CWP. Specifically, project improvements support the goals identified in Water Plan Critical Objective F: Watershed Health, Environment, and Recreation (CWP, Section 10.3, p. 10-12), including:</p> <ul style="list-style-type: none">• Enhance Environmental Recreational Economic Values;• Protect Healthy Environments;• Promote Protection and Restoration of Water Quality; and• Protect and Restore Critical Watersheds.		



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The Upper Yampa valley where this project is located is dominated by recreation and tourism, with the Yampa River flowing as the life blood of the local economy. Fishing is a large component of the economy, and the enhancement and protection of the Yampa in the project reach will bolster the opportunities for the recreational angler. Aligning with Water Plan goal to “protect and enhance economic values to local and statewide economies that rely on environmental and recreational water uses, such as fishing, boating, waterfowl hunting, wildlife watching, camping, and hiking” (CWP, Section 6.6, 6-157).

The Pleasant Valley project will provide higher quality water with year-round fishing access, which is important as public-access fishing water in the Yampa Valley becomes increasingly crowded. Fly fishing recreation supports three year-round fly fishing stores in the Yampa Valley, as well as many independent guides and outfitters, contributing significantly to the local economy.

The Water Plan also includes an overview of early Yampa/White/Green Basin Roundtable (YWG BRT) inventory work, noting that the YWG BRT’s list of Environmental and Recreational Identified Projects and Processes (IPP) “focuses heavily on the improvement of existing river conditions to restore and improve environmental and recreational attributes”. The YWG BRT “emphasized that the current inventory is not exhaustive, and that other projects and methods will be necessary to fully address the environmental and recreational needs located within focus segments or otherwise”. (CWP, Section 6.6, p. 6-177).

In addition to supporting the goals of the Colorado Water Plan, the Pleasant Valley project is in line with the basin goals and measurable outcomes in the Yampa/White/Green Basin Implementation Plan (BIP), as stated in Sections 1, 1.2.7, and 2.4 (pp. 1-10 to 1-12 and 2-24 of the Yampa/White/Green BIP). Specifically, this project will further the following goals of the Yampa/White/Green Basin Implementation Plan (BIP):

- Quantify and protect environmental and recreational water uses at locations identified in the non-consumptive needs study of the YWG BRT*;
- Maintain and consider the natural range of water quality that is necessary for current and anticipated water uses; and
- Environmental and Recreation Needs

With the increase in habitat diversity in a stream comes improved system health generally, and specifically, an increase in fish population and overall recreational benefit to the Yampa River. These improvements directly influence where the recreational angler spends time and the location of economic benefit. The Pleasant Valley project can increase the current delineated non-consumptive needs of the Yampa River below the Sarvis Creek confluence by three-quarters of a mile. Further, this project restores ~4,500 linear feet of degraded stream, addressing the benefits identified in the Yampa/White/Green BIP that “acres of restored riparian areas, degraded streams, and wetlands to restore natural water storage capacity and improve water quantity and quality for non-consumptive needs”.

Finally, this project conforms to the following specifics of the Water Plan’s Framework for State of Colorado Support for a Water Project (CWP, Section 9.4, pp. 9-43 to 9-44;)

- Meet the goals and measurable outcomes identified in the BIP;
- Identify a project proponent (proponent = YVSICT);
- Meet an identified need;
- Can be built within the next 15 years (from 2015 date of Water Plan); and
- Consult with a broad set of local stakeholders and local governments.

The YVSICT is the project proponent for this project. YVSICT has been engaging stakeholders for over 5 years for this effort, including Yampa Valley Fly Fishers (YVFF) Chapter of Trout Unlimited (TU), Bureau of Land Management (BLM), and Colorado Parks and Wildlife (CPW). The Project will be implemented by Stillwater Sciences (design) and FlyWater, inc. (contractor). The project construction



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will occur on property owned and managed by BLM. The project is being coordinated with BLM and CPW as the Yampa River is also managed by CPW. It has taken approximately one year to refine a Memorandum of Understanding (MOU) between the landowner (BLM), CPW, and the Trust. In addition, input by Stillwater and FlyWater were taken into consideration in fashioning and coordination of the project. Copies of the MOU between BLM and YVSICT and contract between FlyWater and YVSICT, defining the respective responsibilities and collaborative efforts are attached.

YVSICT works hard to garner broad support for their projects from the entire Yampa Valley community. YVSICT collaborates frequently with the YVFF Chapter of TU, involving stakeholders including the City of Steamboat Springs, CPW, Routt County, Steamboat Springs Chamber of Commerce, Steamboat Ski & Resort Association, U.S. Forest Service, The Nature Conservancy, each of the local fly shops in the valley, local merchants, and citizens. At several YVSICT projects, community members volunteered with turnouts in excess of 70 persons (many school children) for plantings and river rehabilitation work.

*Note that the Pleasant Valley project reach shares a boundary with a location identified in the non-consumptive needs study of the YWG BIP. The Pleasant Valley project reach is just downstream of the identified area from Stagecoach Reservoir to the northern boundary of Sarvis State Wildlife Area (SWA). When the non-consumptive needs study was conducted in 2010, the Hubbard property (which is part of the Pleasant Valley project reach) was privately owned. The Hubbard property is now publicly owned and may warrant consideration as an additional priority location for non-consumptive use investments.

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.

YVSICT is coordinating with CPW on previously completed studies that can help inform this project.

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.

Applicant Name	Water Activity Name	Approving RT	CWCB board meeting date	Contract Number	Percentage of other CWCB funding for overall project
N/A					



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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.
None.

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⁾
X	Engineer's statement of probable cost (projects over \$100,000)
X	Letters of Matching and/or Pending 3 rd Party Commitments ⁽¹⁾
Exhibit C	
X	Map (if applicable) ⁽¹⁾
	Photos/Drawings/Reports
X	Letters of Support (Optional) (Prior letters re: Healthy Rivers Grant are attached)
	Certificate of Insurance (General, Auto, & Workers' Comp.) ⁽²⁾
X	Certificate of Good Standing with Colorado Secretary of State ⁽²⁾
	W-9 ⁽²⁾
	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:	1/31/20
Name of Grantee:	Yampa Valley Stream Improvement Charitable Trust (YVSICT)
Name of Water Project:	Yampa River Habitat and Recreation Improvement Project at Pleasant Valley
Funding Source:	Water Plan Grant – Environmental and Recreation Project
Water Project Overview:	
<p>The Pleasant Valley project will utilize the design-build approach to improve health, function, and recreational opportunities for ~4,300 linear feet of the Yampa River between Stagecoach Reservoir and Lake Catamount, including the recently acquired Hubbard Summer Camp property. This project is a strategic investment for the watershed due to its location between the two reservoirs, which impacts river functions and constrains functional habitat. The reach has a minimum instream flow right under Colorado's Instream Flow Program. The reach is adjacent to a high priority reach identified in the YWGBRT non-consumptive needs assessment. The project will improve functional habitat in a critical reach of the river and increase longitudinal connectivity of higher quality.</p> <p>Historic impacts to this reach of the river include highway encroachment, channel straightening, and relocation of large boulders out of the channel toward streambanks. Existing conditions include shallow flow conditions with low instream complexity and degraded habitat value, as well as limited room to meander. Public-access fishing water in the Yampa Valley is becoming increasingly crowded and this project provides higher quality water with year-round fishing access.</p>	
Project Objectives:	
<p>The Pleasant Valley project has the following objectives, identified to meet the overall project goal of improved stream health, function, and recreational opportunities:</p> <ul style="list-style-type: none"> • restoring instream complexity; • increasing deep water holding areas for adult fish; • maintaining and improving existing juvenile trout habitat; • increasing areas of instream cover; and • minimizing negative effect of siltation from upstream tributaries. 	



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Tasks
Task 1 – Planning & Engineering Design
Description of Task:
Development and finalization of concepts, technical analyses, final design, and construction drawings
Method/Procedure:
<p>Development and finalization of concepts: The FlyWater-Stillwater Team is a true Design-Build Team able to shepherd this project through design, analysis, permitting, construction, and post-construction monitoring. Information from site assessment and data collection efforts, including survey, will inform technical analyses, finalization of concepts, and final design. Finalized concepts will be used to support requested regulatory approvals.</p> <p>Technical analyses and final design: Technical analyses will be completed, including hydrologic calculations, hydraulic modeling, geomorphic evaluation, and incipient motion analyses, as well as final design of channel geometry at target design flows. Collected survey data will be used to develop an existing conditions (EC) HEC-RAS hydraulic model. A proposed condition (PC) HEC-RAS hydraulic model will be built from the EC model, with adjustments representing proposed treatments and dimensions, including channel widths, lateral bar and floodplain bench lengths and widths, and pool depths. PC model iterations will help evaluate potential treatments to determine optimal combinations to meet project objectives.</p> <p>Incipient motion and stream bed mobility calculations will be conducted to evaluate potential scour and size of material needed for proposed channel features. These analyses are important to ensure pools maintain depth, with bankfull flows providing sufficient energy to regularly mobilize fine sediments from the pools, without compromising stability of adjacent channel features. The PC model will also be used to estimate water surface elevations (WSE) to guide design of floodplain benches.</p> <p>Construction drawings: Construction drawings will be produced to depict/describe existing and proposed conditions within the project reach. Drawings will be prepared to ~80% design level, suitable for construction by the FlyWater construction team. The design-build approach, where designers provide oversight during construction, provides better guidance to the builder, reduces overall costs on smaller projects like this one, and replaces the high cost of bid-level documents with onsite dialogue and supervision.</p> <p>Under the design-build approach, details, notes, and basic specifications, are used to outline the materials and methods for project construction (i.e., the high degree of specification language typical in a formal bid process will not be required). Information will convey sufficient information to FlyWater to adequately cost and implement the project, but also provide enough flexibility to adjust the design without significant extra cost as actual field conditions are encountered throughout construction, which often occurs during work in natural systems.</p> <p>The drawings will depict designs in planview, profile, and cross-sectional format to show design components with respect to existing and proposed locations and elevations. Drawings will detail design of lateral bar and floodplain benches, pools, and other enhancements including habitat rocks in various configurations, large wood materials, rock veins, and riparian vegetation.</p>
Deliverable:
<p>A basis of design report will be developed to document existing conditions and constraints, project goals and objectives, completed analyses and calculations, and methods, limitations, and assumptions.</p> <p>A construction drawing set will be developed, suitable for design-build implementation.</p>

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Tasks
Task 2 – Permitting
Description of Task:
Section 404 permit and Floodplain Development Permit (FDP) preparation
Method/Procedure:
<p>Section 404 application: Section 404 authorization is anticipated under Regional General Permit 12 (RGP 12), Aquatic Habitat Improvement for Stream Channels in Colorado. Request for authorization will include descriptions of existing conditions, project purpose and need, and expected measurable objectives, as well as pre-construction photos, planview, cross section and profile representations of the type, location, and dimensions of structures, the length of stream channel to be impacted including the volume of materials to be placed or redistributed below the ordinary high water mark, and a monitoring plan. A delineation of jurisdictional waters of the US, including wetlands, is not anticipated to be required.</p> <p>RGP 12 requires coordination with CPW, and documentation stating that CPW has no concerns with the proposed project. Communication and collaboration with CPW is already well underway for this project, including site visits, conference calls, and emails with CPW. The deliverable for this task is an electronic submittal of the request for authorization of the project under RGP 12.</p> <p>FDP application: Application for FDP will be submitted to the Routt County Planning Department. The project reach is mapped on FEMA map panel 08107C1075D in a Zone A designation, which means areas where base flood elevations or a floodway have not been previously calculated. Coordination with the Routt County Floodplain Administrator has already been initiated.</p> <p>The FDP application will include hydraulic analysis documenting proposed enhancements create no rise in regulatory 100-year WSEs. The current Flood Information Study (FIS) for the Yampa River does not provide 100-year regulatory flow rate for the project reach, so rate(s) will be requested from the Upper Yampa Water Conservation District (UYWCD) or CWCBC. Separate, coarser-level (i.e., fewer cross sections with less detail) EC and PC hydraulic models will be developed in support of the FDP application, as less detail is required to observe changes in the 100-year water surface (versus the level needed for design evaluation). Comparison of EC and PC WSEs will be made to document “no-rise”.</p> <p>Assumptions for the FDP process include that floodway analyses will not be required, Conditional Letter of Map Revision and Letter of Map Revision (C/LOMR) will not be required, and no FDP application fee will be required.</p>
Deliverable: Applications for Section 404 permit and FDP

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Tasks	
Task 3 – Construction	
Description of Task:	
Construction Implementation	
Method/Procedure:	
<p>The FlyWater-Stillwater Team is a true Design-Build Team able to shepherd this project through design, analysis, permitting, construction, and post-construction monitoring. FlyWater will build this project with their signature light footprint and “do no harm” mentality. Careful controls include strategic location of treatments, staging areas, and access routes to preserve important existing features and minimize impacts to areas with current beneficial functions.</p> <p>Information from the design phase of this design-build project will be used for the construction phase. Site assessments in the design phase include consideration of staging and access issues, availability of onsite materials that can be used in design (e.g., logs, boulders, willows for transplant, etc.) Additionally, FlyWater staff will research potential construction constraints, including utilities (above and below ground), roads, etc. Throughout analysis and design, FlyWater-Stillwater designers stay mindful of opportunities to preserve or minimize impacts to higher quality areas, often leveraging the current condition to deliver optimal final conditions more cost efficiently.</p> <p>Based on current design concepts and data collected to date, the estimated construction and monitoring cost of this project is \$215,000. Breakout by primary cost drivers is provided in the Detailed Budget Estimate & Schedule included with this application.</p>	
Deliverable: Constructed project	

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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

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.

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 pay out the last 10% of the budget when 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.

Payment

Payment will be made based on actual expenditures and must include invoices for all work completed. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.

Costs incurred prior to the effective date of this contract are not reimbursable. The last 10% of the entire grant will be paid out when the final deliverable has been received. All products, data and information developed as a result of this contract must be provided to CWCB in hard copy and electronic format as part of the project documentation.

Performance Measures

Performance measures for this contract shall include the following:

(a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit B. Per Water Plan Grant Guidelines, the CWCB will pay out the last 10% of the budget when 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.

(b) Accountability: Per Water Plan Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per Water Plan Grant Guidelines, Progress Reports must be

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Performance Measures

submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.

(c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.

(d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.

Colorado Water Conservation Board

Water Plan Grant - Detailed Budget Estimate & Schedule

Fair and Reasonable Estimate

Prepared Date:1/31/2020

Name of Applicant:Yampa Valley Stream Improvement Charitable Trust (YVSICT)

Name of Water Project:Yampa River Habitat and Recreation Improvement Project at Pleasant Valley

Engineering Support

Task 1 - Planning & Engineering Design		Task Start Date	Task End Date ¹	Water Consultants							Subcontracts		Total by Engineering Support Task							Total Engineering Support Funding		
Sub-task				Senior QC Engineer	Senior Engineer/ Geomorphologist	Project Manager	Staff Engineer/ Geomorphologist	Staff Biologist	Drafting/C3D/ GIS	Subtotal	River Survey Lump Sum	Subtotal		CWCB Water Plan Grant	Matching Funds/CHRF ²	Matching Funds/YVFF ³	Matching Funds/YVSICT in-kind ³	Matching Funds/Fishing is Fun ⁴	Matching Funds/YWG BRT ⁴			
				\$ 195	\$ 165	\$ 140	\$ 135	\$ 110	\$ 95													
Estimated Hours																						
Development & Finalization of Concepts	Jul 2019	Jun 2020	0	3	1	45	0	26	\$	9,180	\$	525	\$	525	\$9,705	\$ 705	\$ 5,000	\$ 4,000	\$ -	\$ -	\$ -	\$ 9,705
Technical Analyses and Final Design	May 2020	Nov 2020	1	10	2	30	6	32	\$	9,875			\$	-	\$9,875	\$ 875	\$ 5,000	\$ 4,000	\$ -	\$ -	\$ -	\$ 9,875
Construction Drawing Finalization	Nov 2020	Dec 2020	4	5	3	32	2	31	\$	9,510			\$	-	\$9,510	\$ 4,510	\$ -	\$ -	\$ -	\$ 5,000	\$ -	\$ 9,510
Grant Funding Support	Oct 2019	Oct 2021	12	0	0	0	0	20	\$	4,240			\$	-	\$4,240	\$ -	\$ -	\$ -	\$ 4,240	\$ -	\$ -	\$ 4,240
Task 2 - Permitting																						
Section 404 Permit Preparation	Jan 2021	Mar 2021	2	4	4	16	1	0	\$	3,880			\$	-	\$3,880	\$ 3,880	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,880
Floodplain Development Permit Preparation	Feb 2021	May 2021	1	2	1	9	0	12	\$	3,020			\$	-	\$3,020	\$ 3,020	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,020
TOTAL ENGINEERING SUPPORT													\$40,230	\$12,990	\$10,000	\$8,000	\$4,240	\$5,000	\$0	\$40,230		
Colorado Healthy Rivers Grant (CHRG) Yampa Valley FlyFishers (YVFF) Yampa White Green Basin Roundtable (YWG BRT)																						

Colorado Healthy Rivers Grant (CHRG) Yampa Valley FlyFishers (YVFF) Yampa White Green Basin Roundtable (YWG BRT)

Construction

Task 3 - Construction						Task Start Date	Task End Date ¹										
Line Items			Unit	Quantity	Unit Cost	Total by Construction Line Item	CWCB Water Plan Grant	Matching Funds/CHRF ²	Matching Funds/YVFF ³	Matching Funds/YVSICT in-kind ³	Matching Funds/Fishing is Fun ⁴	Matching Funds/YWG BRT ⁴	Total Construction Funding				
Riffle Pool Run (RPR) Grading	July 2021	Oct 1 2021	CY	1500	\$ 34	\$ 51,000	\$ 51,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 51,000				
Habitat, Grade Control, LWM and Flow Training Structures	July 2021	Oct 1 2021	CY	500	\$ 78	\$ 39,000	\$ -	\$ -	\$ -	\$ -	\$ 39,000	\$ -	\$ 39,000				
Habitat Wood/Rock Purchase (Delivered)	July 2021	Oct 1 2021	CY	500	\$ 150	\$ 75,000	\$ 35,000	\$ -	\$ -	\$ -	\$ 40,000	\$ -	\$ 75,000				
Construction Survey	July 2021	Oct 1 2021	LS	1	\$ 5,000	\$ 5,000	\$ -	\$ 1,000	\$ 4,000	\$ -	\$ -	\$ -	\$ 5,000				
Construction QA/QC	July 2021	Oct 1 2021	LS	1	\$ 15,000	\$ 15,000	\$ 4,000	\$ 7,000	\$ 4,000	\$ -	\$ -	\$ -	\$ 15,000				
General Conditions (Appropriate BMPs, Mob/Demob of Equipment and Staff)	July 2021	Oct 1 2021	LS	1	\$ 15,000	\$ 15,000	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,000				
Monitoring	Oct 2021	Dec 2023	LS	1	\$ 15,000	\$ 15,000	\$ -	\$ 2,000	\$ 4,000	\$ -	\$ -	\$ 9,000	\$ 15,000				
TOTAL CONSTRUCTION						\$ 215,000	\$105,000	\$10,000	\$12,000	\$0	\$79,000	\$9,000	\$215,000				

DESIGN-BUILD PROJECT TOTAL:	\$255,230	\$117,990	\$20,000	\$20,000	\$4,240	\$84,000	\$9,000	\$255,230
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FUNDING TOTALS:

CWCB Water Plan Grant TOTAL: \$ 117,990

CWCB Water Plan Grant % of TOTAL: 46.2% meets match criteria

CWCB Funds TOTAL: \$ 137,990

CWCB Funds % of TOTAL: 54.1% meets match criteria

Matching Funds TOTAL: \$ 117,240 \$ 255,230 check

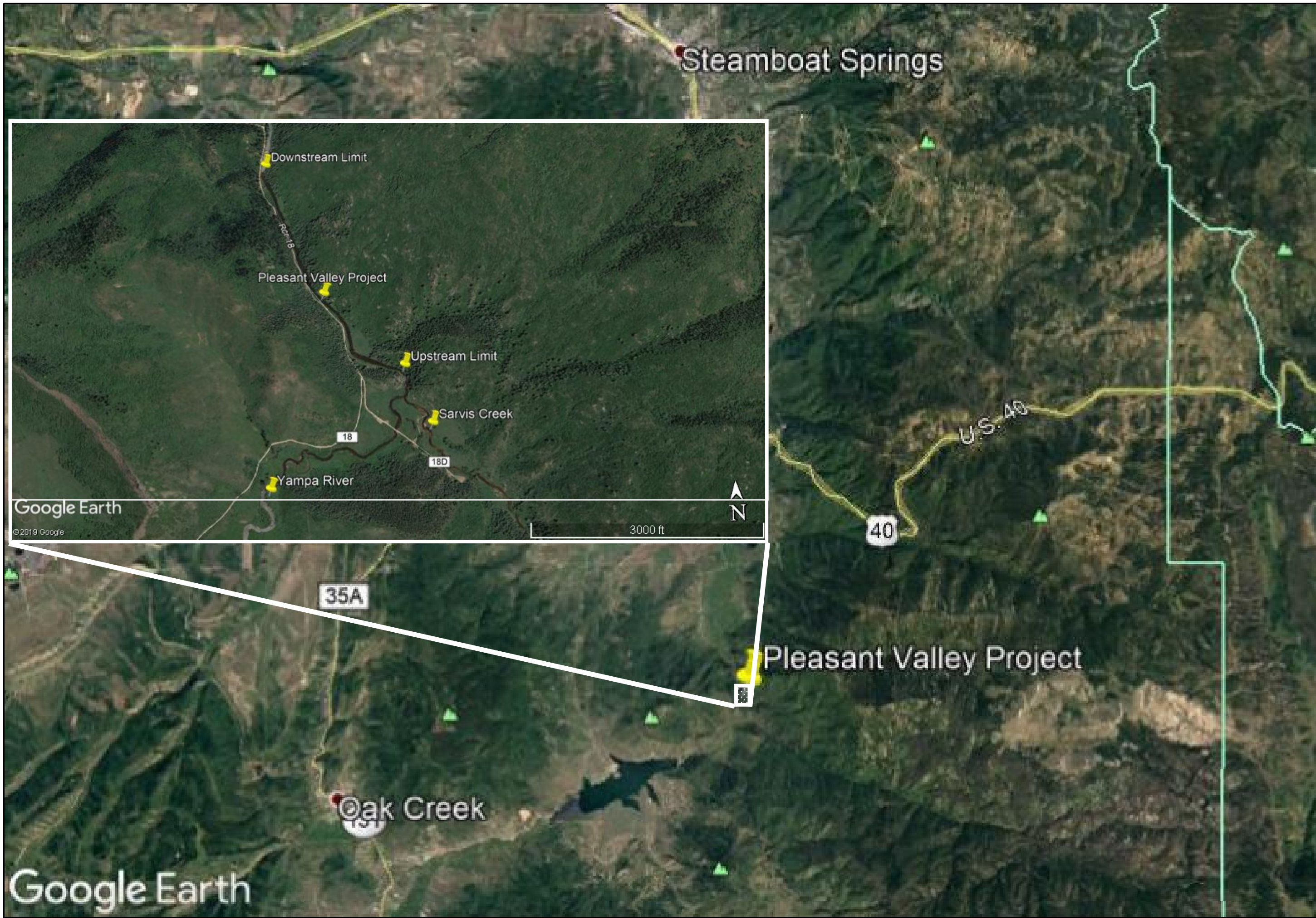
Notes:



¹ Project can be completed before June 30, 2022

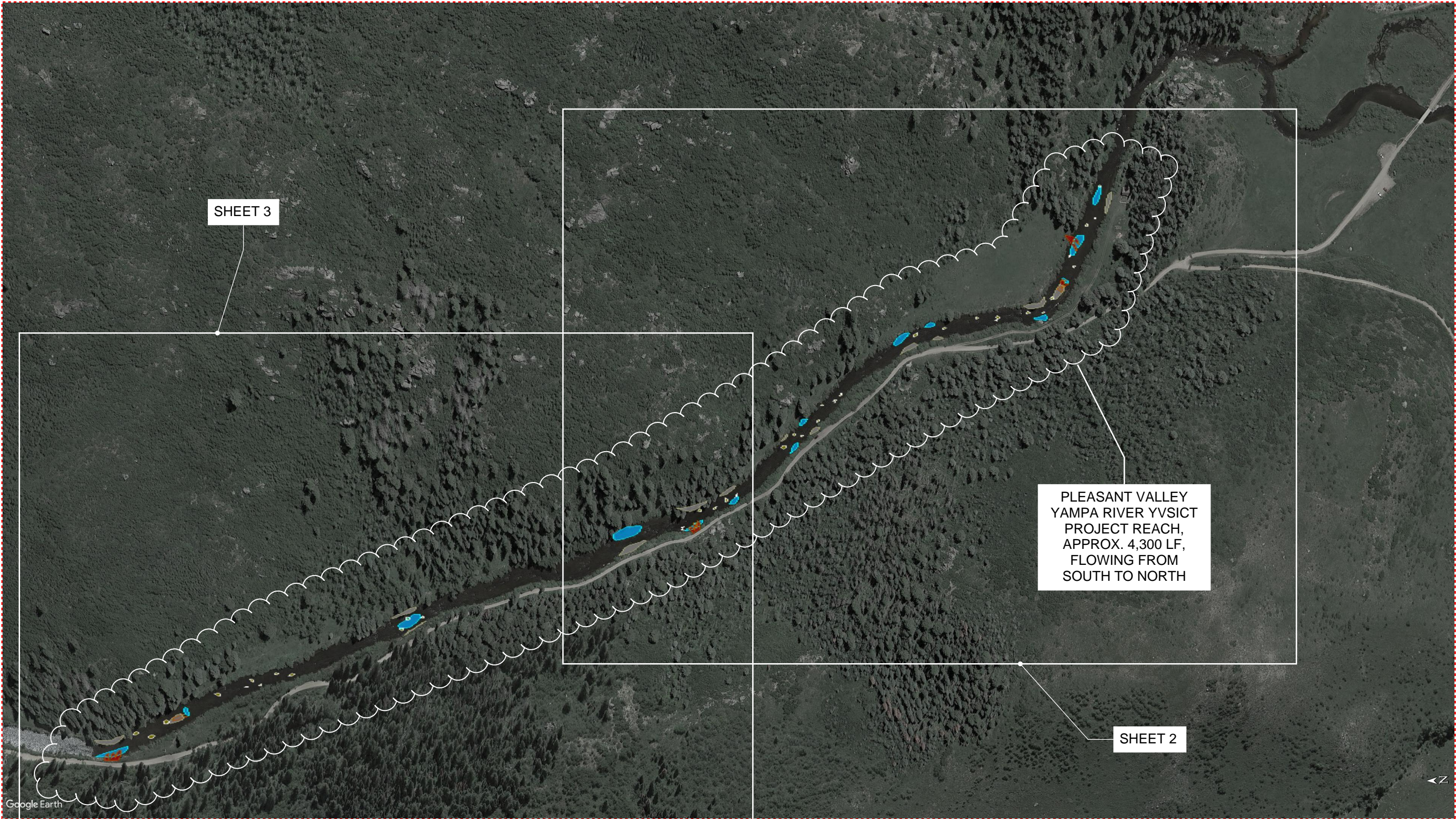
² Grant request pending (i.e., submitted, awaiting notification) (note that CHRF is also CWCB Funds)

³ Grant request secured

⁴ Grant request not submitted yet, awaiting cycle



 Stillwater Sciences	 Site Map: Yampa River Habitat and Recreation Improvement Project at Pleasant Valley (Pleasant Valley Project)	Date: Jan. 2020
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RIFFLE POOL RUN GRADING



HABITAT ROCK/COMPLEXITY



LARGE WOOD MATERIAL



RIFFLE POOL RUN GRADING



HABITAT ROCK/COMPLEXITY



LARGE WOOD MATERIAL



RIFFLE POOL RUN GRADING



HABITAT ROCK/COMPLEXITY



LARGE WOOD MATERIAL

City of Steamboat Springs



November 4, 2019

Colorado Healthy Rivers Fund
P.O. Box 460735
Glendale, CO 80246

Dear Grant Review Committee,

The City of Steamboat Springs supports the grant application from the Yampa Valley Stream Improvement Charitable Trust (YVSICT) for their Pleasant Valley Enhancement Project.

The City of Steamboat Springs has environmental sustainability in our mission statement and community surveys have identified that protecting and preserving our natural environment is a high priority for the majority of our residents. The City values the work that the YVSICT has done for river enhancements, and for the improvement of trout habitat in the Northwest Colorado region. In the past, they have worked to stabilize eroding river banks, constructed stream improvement structures, successfully completed multiple projects at the Chuck Lewis State Wildlife Area outside Steamboat Springs, and donated funding to cutthroat trout restoration.

This project will benefit the overall health of a publicly accessible section of the Yampa River on BLM property through project components that enhance fish habitat by providing better holding water for fish, fixing the meander, and minimizing the effect of silt from upstream tributaries.

I urge you to fund this request from the Yampa Valley Stream Improvement Charitable Trust. Design and Engineering of the project is complete, and with your financial assistance, YVSC can successfully begin construction of their Pleasant Valley Enhancement Project and bring the project to fruition.

Sincerely,



Gary Suiter
City Manager
City of Steamboat Springs



STEAMBOAT SPRINGS CHAMBER

VITALITY IN THE VALLEY

November 5, 2019

RE: Colorado Healthy Rivers Fund

Dear Grantor,

We are pleased to offer our support the Yampa Valley Stream Improvement Charitable Trust (YSICT) in their pursuit of a grant from the Colorado Healthy Rivers Fund. Since 2014, YVSICT has dedicated more than \$40,000 to design and engineering work that will enhance a section of the Yampa River below Sarvis Creek that is owned by the BLM. The grant will be used to help move the Pleasant Valley Enhancement Project from the design and planning stage to implementation.

Our organization is dedicated to economic vitality in Routt County through business advocacy, destination marketing, and economic development. The protection and enhancement of the Yampa River is of paramount importance to the business community in Steamboat Springs. The river supports numerous local businesses who depend on a healthy river ecosystem in order to maintain and grow their business. Along with western heritage and trails, water is one of the three pillars used to market Steamboat Springs as a year-round visitor destination. The Yampa River running through downtown Steamboat along with its scenic beauty and recreation opportunities county-wide are one of the differentiators that set us apart from our competitive set.

The Steamboat Springs Chamber is in full support of projects that seek to protect and enhance the Yampa River. Thank you for considering the Yampa Valley Stream Improvement Charitable Trust's request.

Please feel free to contact me with questions.

Sincerely,

Kara Stoller

Steamboat Springs Chamber CEO



P.O. Box 773598
Steamboat Springs, CO 80477
www.co.routt.co.us

Timothy V. Corrigan
District I

Douglas B. Monger
District II

M. Elizabeth Melton
District III

November 5, 2019

RE: Pleasant Valley Enhancement Project grant funds

Dear Mr. Ashton:

On behalf of Routt County, I am writing to express support for the Pleasant Valley Enhancement Project. We believe the grant funds from the Colorado Healthy Rivers Fund are critical to help this project move forward, and we are encouraged that construction is ready to begin due to the completion of an MOU with the BLM and contracts with FlyWater, Inc.

Yampa Valley Stream Improvement Charitable Trust (YVSICT) has already successfully accomplished many related projects, including stream improvement structures in the Middle Fork of the Elk River in Clark, and stabilization of 1,500 feet of badly eroded riverbank at Rotary Park.

Routt County strongly recommends this project receive the grant funds because it is in line with the purpose of the Colorado Healthy Rivers Fund grant: to fund on-the-ground projects that contribute to cleaner water, healthier wildlife habitat, and improved recreation throughout our State. YVSICT has already dedicated more than \$40,000 over the past 6 years to enhance this section of the Yampa River. The addition of this project will help protect the natural resources in the area for generations to come. Thank you for your time and consideration.

Sincerely,
ROUTT COUNTY BOARD OF COUNTY COMMISSIONERS

A handwritten signature in cursive script, appearing to read 'M. Elizabeth Melton', written over a horizontal line.

M. Elizabeth Melton, Chair



Friends of the Yampa

www.friendsoftheyampa.com

PO Box 771654, Steamboat Springs, CO 80477

Mission: To protect and enhance the environmental and recreational integrity of the Yampa River and its tributaries thru stewardship, advocacy, education and partnerships.

November 5, 2019

Colorado Healthy River Fund Administrators
Colorado Watershed Assembly
P.O Box 460736
Glendale, CO 80246

RE: Letter of Support for the Pleasant Valley Stream Improvement Project

Hello CHRF,

We at the Friends of the Yampa would like for this letter of support to be added to the grant packet for the Yampa Valley Stream Improvement Charitable Trust's (YVSICT) request for grant funding for the Pleasant Valley Stream Improvement Project on the Yampa River.

The Friends of the Yampa support projects that protect and enhance the environmental and recreational integrity of the Yampa River and its tributaries. Projects like this one on the Yampa River in Pleasant Valley fit our stewardship pillar where we support work that creates and protects recreational opportunities and river access in the basin, along with preserving the health and integrity of the Yampa River system by mitigating human and environmental impacts.

The section of the Yampa River that this project will work to enhance is important for many reasons. This section of river is a reach of river that is protected by flows from the Colorado Instream Flow Program, it is adjacent to a high priority reach for the Yampa/White/Green Basin Roundtable's non consumptive needs assessment, and with this project, it will prove to support year round habitat for a healthier and stronger fishery.

We believe this is a no brainer project that fits perfectly within the confines of the Colorado Healthy River Fund granting effort. Please let me know if you need anything else.

Sincerely yours,

Kent Vertrees
President
Friends of the Yampa
970-846-7933

October 30, 2019

Dear Colorado Healthy Rivers Fund Administrators,

I am writing you on behalf of the Yampa Valley Fly Fishers (T.U. Chapter 929) in support of the Yampa Valley Stream Improvement Charitable Trust's (YVSICT) request for grant funding for the Pleasant Valley Stream Improvement Project on the Yampa River. Yampa Valley Fly Fishers (YVFF) has partnered with YVSICT on many projects in the past and YVSICT has shown the capacity to develop and execute these projects successfully over the past 35 years. YVFF has served as a source for volunteer labor for most of these projects and we are committed to the successful completion of this current project. We have pledged \$20,000 towards this project and are hoping to secure additional funding going forward. We will also be available with volunteer labor as needed.

The purpose of this project is to benefit the overall health of this public section of the Yampa River, including enhancement of fish habitat by providing better holding water for adult fish and maintaining and improving on existing juvenile trout habitat. Currently, this section of river is fairly shallow throughout its reach and has limited room to meander. It shows signs of having been straightened in the past, with large boulders having been pushed to the sides of the river. This project will address these issues, adding complexity, creating holding water, and minimizing the effect of silt contributed by upstream tributaries.

Fly fishing supports three year round fly fishing stores in the Yampa Valley as well as many independent guides and outfitters, contributing significantly to the local economy. Public access fishing water in the Yampa Valley is becoming increasingly crowded and this project is desirable as it will provide for quality water with year round fishing access.

Please look favorably on the afore mentioned grant request and help us to complete this current project on the Yampa River.

Thank you,

Dan Chovan

President, Yampa Valley Fly Fishers

Trout Unlimited Chapter 929

Colorado Healthy Rivers Fund 2019 Grant Award

1 message

Colorado Watershed Assembly

Mon, Jan 27, 2020 at 12:56

<info@coloradowater.org>

PM

To: yvsict@gmail.com

Cc: Executive Director <casey@coloradowater.org>

Dear Drew,

This letter is to inform you that the grant review committee for the 2019 Colorado Healthy Rivers Fund approved a grant of \$20,000 to the Yampa Valley Stream Improvement Charitable Trust for the Pleasant Valley Project in support of design and build activities. The Colorado Watershed Assembly is going to take charge of the purchase order proceedings and will be contacting you directly to discuss your grant contract and terms.

The budget and scope of work was checked by our representatives and we believe that this grant will help you reach your desired goals. The funds are to be used over the contract term of 1 year, in accordance with the awarded budget.

If there are any questions which you would like to raise regarding this grant that we have given to you, please contact us through our e-mail address, info@coloradowater.org.

Our best regards in carrying out this significant project,

Yours Sincerely,

Diane Kielty

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Diane Kielty

Program Manager

Colorado Watershed Assembly

info@coloradowater.org

www.coloradowater.org

303-916-4645

OFFICE OF THE SECRETARY OF STATE
OF THE STATE OF COLORADO

CERTIFICATE OF FACT OF GOOD STANDING

I, Jena Griswold, as the Secretary of State of the State of Colorado, hereby certify that, according to the records of this office,

Yampa Valley Stream Improvement Charitable Trust

is a

Nonprofit Corporation

formed or registered on 04/06/2006 under the law of Colorado, has complied with all applicable requirements of this office, and is in good standing with this office. This entity has been assigned entity identification number 20061149731 .

This certificate reflects facts established or disclosed by documents delivered to this office on paper through 01/27/2020 that have been posted, and by documents delivered to this office electronically through 01/30/2020 @ 17:28:46 .

I have affixed hereto the Great Seal of the State of Colorado and duly generated, executed, and issued this official certificate at Denver, Colorado on 01/30/2020 @ 17:28:46 in accordance with applicable law. This certificate is assigned Confirmation Number 12054978 .



Jena Griswold

Secretary of State of the State of Colorado

*****End of Certificate*****

Notice: A certificate issued electronically from the Colorado Secretary of State's Web site is fully and immediately valid and effective. However, as an option, the issuance and validity of a certificate obtained electronically may be established by visiting the Validate a Certificate page of the Secretary of State's Web site, <http://www.sos.state.co.us/biz/CertificateSearchCriteria.do> entering the certificate's confirmation number displayed on the certificate, and following the instructions displayed. Confirming the issuance of a certificate is merely optional and is not necessary to the valid and effective issuance of a certificate. For more information, visit our Web site, <http://www.sos.state.co.us/> click "Businesses, trademarks, trade names" and select "Frequently Asked Questions."