

## **Scope of Work**

**GRANTEE:** Crested Butte Land Trust

**PRIMARY CONTACT:** Danielle Beamer, Stewardship Manager

**ADDRESS:** PO Box 2224 Crested Butte, CO 81224

**PHONE:** 970-349-1206

**PROJECT NAME:** Gunsight Bridge Predication Level Assessment

**GRANT AMOUNT:** \$16,000

### **INTRODUCTION AND BACKGROUND**

Provide a brief description of the project. (Please limit to half a page)

The Upper Slate River is a dynamic snow-melt driven river system that is integrally connected to the character and ecology of the local community. As it flows towards the Town of Crested Butte, the human aggravated issues within the river become increasingly more pervasive and concerning. In the summer and fall of 2012, the Land Trust partnered with other stakeholders in the Upper Slater River Steering Committee to contract a Geomorphic Assessment. This report identifies the imperiled stretches of the Upper Slate River as well as potential causes and contributing factors. It also emphasizes the importance of gathering further information before restoration work is initiated. The Geomorphic Assessment identified the Land Trust's Gunsight Bridge parcel as being at high risk for instability. The Crested Butte Land Trust will conduct a Prediction Level Assessment (PLA) on this reach of the Slate River in order to plan restoration work that will contribute to the overall stability and health of the river.

Instability in this reach is of special concern because the property has been conserved for various uses including wetlands and significant riparian wildlife habitat, public recreation and ranching. A pedestrian and bicycle bridge on the property, used by over 500 recreationists a day while enjoying the Lower Loop trail, has experienced extreme erosion on the southwest bank as the river undercuts the connection from the Lower Loop trail to the bridge. Holes 12-inches in diameter have appeared in some years making trail use very dangerous. Additionally, the bank no longer supports a healthy willow community and is band-aided year to year with riprap and boulders. Obtaining a PLA will assist the Crested Butte Land Trust in planning river restoration work that aligns with the protection of multiple uses and ultimately the viability of the Slate River as a whole.

### **OBJECTIVES**

List the objectives of the project. Please include objectives for all aspects of the project whether funded by the CWCB or not

To determine preventative measures and restoration actions for this stretch of river that will:

1. Protect the multiple uses of the property including recreational amenities.

2. Improve the ecological function of the river and riparian corridor.
3. Serve as a learning tool for future projects along the Slate River.

## **TASKS**

Provide a detailed description of each task using the following format. Detailed descriptions are only required for CWCB funded tasks. Other tasks should be identified but do not require details beyond a brief description.

### **TASK 1 – Field data collection at high flows**

#### Description of Task

Several days will be spent on the river during high flows at the target and reference reaches to record cross-sections, photo points, longitudinal profiles, channel surveys, point bar samples, vegetation transects, floodplain connectivity, bedload samples, ground water levels and wetland conditions. This task is not funded by CWCB.

### **TASK 2 – Field data collection at low flows**

#### Description of Task

Several days will be spent on the river during low flows at the target and reference reaches to record cross-sections, photo points, longitudinal profiles, channel surveys, point bar samples, vegetation transects, floodplain connectivity, bedload samples, ground water levels and wetland conditions.

#### Method/Procedure

Data collection will employ the third phase of the WARSSS- Prediction Level Assessment (PLA). The product of this work is a quantitative description of the sediment budget, transport efficiency and the degree of instability, accounting for the amount of sediment produced on the reach itself. Fewer data points will be collected at the reference site compared to the target reach as the reference is used for comparison and does not require the same degree of study.

#### Deliverable

The outcome will be the collection of data sufficient to complete a summary Prediction Level Assessment report.

### **TASK 3- Analysis and Reporting**

#### Description of Task

Work necessary to analyze the field data and prepare a summary Prediction Level Assessment report.

#### Method/Procedure

The final report will be based on the seven primary objectives of the PLA: locate and quantify significant sediment sources; link sediment sources to specific land uses; identify disproportionate sediment supply; evaluate sediment impacts on the river channel, integrate hydrology, river morphology and river stability with land use impacts

by specific location, determine the departure and degree of impairment due to sediment sources, watershed hydrology, riparian and direct impacts; and provide sufficient details to design site and process specific mitigation.

#### Deliverable

The final report will include an introduction, description of methods, summary of results and recommendations. Recommendations will include a conceptual design for restoration of the impaired stream and riparian areas.

### **TASK 4- Meetings and Coordination**

#### Description of Task

General coordination between the Crested Butte Land Trust and AlpineEco and EcoMetrics staff, including review and evaluation of tasks 1-3.

#### Method/Procedure

Meetings will be arranged as necessary to facilitate regular communication between both parties. Crested Butte Land Trust stewardship staff will join contracted ecologists in the field on several occasions to ensure that long-term monitoring by staff is conducted in accordance with Tasks 1 and 2. Communications in between meetings will be conducted via email or telephone and filed appropriately.

#### Deliverable

Regular communication between the Crested Butte Land Trust staff and AlpineEco and EcoMetrics principle ecologists, including collaborative fieldwork days. This may include an educational presentation for stakeholders and neighboring landowners intended to encourage additional river restoration work, if deemed appropriate in the summary PLA report.

### **TASK 5- Monitoring**

#### Description of Task

On-going monitoring for three years (2014-2016) of photo points, stream surveys, riparian vegetation cross-sections, wetland point data, stream analysis, wetland analysis, and summary report. Some items listed above require annual monitoring while others only require monitoring every three years. This task is not funded by CWCB.

### **REPORTING AND FINAL DELIVERABLE**

Reporting: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe the completion or partial completion 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 Deliverable: At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.

WATER CONSERVATION BOARD  
1313 SHERMAN STREET, ROOM 721  
DENVER, CO 80203

DATE: 08-21-13



**PURCHASE  
ORDER**  
STATE OF COLORADO

Buyer: ALLAN SMITH  
Phone Number: 303-866-3292  
Agency Contact: STEVEN SHULL  
Phone Number: 303 866 3441

**IMPORTANT**  
The PO# and Line # must  
appear on all invoices,  
packing slips, cartons  
and correspondence

P.O. # OE PDA 14000000024 Page# 01

ACC: 08-20-13

State Award #

FEIN 841190830 Phone: - -  
Vendor Contact:  
Purchase Requisition #:

BID #

V  
E  
N  
D  
O  
R  
CRESTED BUTTE LAND TRUST  
PO BOX 2224  
CRESTED BUTTE CO 81224

**Invoice in Triplicate**

To: DIVISION OF WATER CONSERVATION  
1313 SHERMAN STREET, ROOM 721  
DENVER, CO 80203

**Payment will be made by this agency**

Shp To: DIVISION OF WATER CONSERVATION  
1313 SHERMAN STREET, ROOM 721  
DENVER, CO 80203

**INSTRUCTIONS TO VENDOR:**

1. If for any reason, delivery of this order is delayed beyond the delivery/Installation date shown, please notify the agency contact named at the top left. (Right of cancellation is reserved in instances in which timely delivery is not made.)
2. All chemicals, equipment and materials must conform to the standards required by OSHA.
3. NOTE: Additional terms and conditions on reverse side.

Delivery/Installation Date: 06-30-14  
F.O.B. DESTINATION STATE PAYS NO FREIGHT

**SPECIAL INSTRUCTIONS:**

LINE ITEM	COMMODITY/ITEM CODE	UNIT OF MEASUREMENT	QUANTITY	UNIT COST	TOTAL ITEM COST
001	91843000000				\$16,000.00
SEV TAX GRNT-CRESTED BUTTE LAND TRUST WILL CONDUCT A PREDICATION LEVEL ASSESS ON THE UPPER SLATE RIV. PER SOW. CMS#60105					

DOCUMENT TOTAL = \$16,000.00

THIS PO IS ISSUED IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS  
This PO is effective on the date signed by the authorized individual.

EPSPO PAA

FOR THE STATE OF COLORADO

*Allen Smith*  
Authorized Signature

8/21/13  
Date

# Purchase Order Terms and Conditions

**1. Offer/Acceptance.** If this purchase order ("PO") refers to vendor's bid or proposal, this PO is an ACCEPTANCE of vendor's OFFER TO SELL in accordance with the terms and conditions of the "solicitation" identified in vendor's bid or proposal. The solicitation includes an RFP, IFB, or any other form of order by buyer. If a bid or proposal is not referenced, this PO is an OFFER TO BUY, subject to vendor's acceptance, demonstrated by vendor's performance or written acceptance of this PO. Any COUNTER-OFFER TO SELL automatically CANCELS this PO, unless a change order is issued by buyer accepting a counter-offer. This PO shall supersede and control over any vendor form(s) or part(s) thereof included in or attached to any bid, proposal, offer, acknowledgment, or otherwise, in the event of inconsistencies or contradictions, regardless of any statement to the contrary in such form(s) or parts thereof. **2. Safety Information.** All chemicals, equipment and materials proposed and/or used in the performance of this PO shall conform to the requirements of the Occupational Safety and Health Act of 1970. Vendor shall furnish all Material Safety Data Sheets (MSDS) for any regulated chemicals, equipment or hazardous materials at the time of delivery. **3. Changes.** Vendor shall furnish products and/or services strictly in accordance with the specifications and price set forth for each item. This PO shall not be modified, superseded or otherwise altered, except in writing signed by purchasing agent and accepted by vendor. Each shipment received or service performed shall comply with the terms of this PO, notwithstanding invoice terms or acts of vendor to the contrary, unless this PO has been modified, superseded or otherwise altered in accordance with this section. **4. Delivery.** Unless otherwise specified in the solicitation or this PO, delivery shall be FOB destination. Buyer is relying on the promised delivery date, installation, and/or service performance set forth in vendor's bid or proposal as material and basic to buyer's acceptance. If vendor fails to deliver or perform as and when promised, buyer, in its sole discretion, may cancel its order, or any part thereof, without prejudice to its other rights, return all or part of any shipment so made, and charge vendor with any loss or expense sustained as a result of such failure to deliver or perform as promised. Time is of the essence. **5. Intellectual Property.** Any software, research, reports, studies, data, photographs, negatives or other documents, drawings or materials (collectively "materials") delivered by vendor in performance of its obligations under this PO shall be the exclusive property of buyer. Ownership rights shall include, but not be limited to, the right to copy, publish, display, transfer, prepare derivative works, or otherwise use the materials. Vendor shall comply with all applicable Cyber Security Policies of the State of Colorado (the "State"), or buyer, as applicable, and all confidentiality and non-disclosure agreements, security controls, and reporting requirements. **6. Quality.** Buyer shall be the sole judge in determining "equals" with regard to quality, price and performance. All products delivered shall be newly manufactured and the current model, unless otherwise specified. **7. Warranties.** All provisions and remedies of the Colorado Uniform Commercial Code, CRS, Title 4 ("UCC"), relating to implied and/or express warranties are incorporated herein, in addition to any warranties contained in this PO or the specifications. **8. Inspection and Acceptance.** Final acceptance is contingent upon completion of all applicable inspection procedures. If products or services fail to meet any inspection requirements, buyer may exercise all of its rights, including those provided in the UCC. Buyer shall have the right to inspect services provided under this PO at all reasonable times and places. "Services" as used in this section includes services performed or tangible material produced or delivered in the performance of services. If any of the services do not conform to PO requirements, buyer may require vendor to perform the services again in conformity with PO requirements, without additional payment. When defects in the quality or quantity of service cannot be corrected by re-performance, buyer may (a) require vendor to take necessary action to ensure that future performance conforms to PO requirements and (b) equitably reduce the payment due vendor to reflect the reduced value of the services performed. These remedies do not limit the remedies otherwise available in this PO, at law, or in equity. **9. Cash Discount.** The cash discount period will start from the later of the date of receipt of acceptable invoice, or from date of receipt of acceptable products/services at the specified destination by an authorized buyer representative. **10. Taxes.** Buyer and the State are exempt from all federal excise taxes under Chapter 32 of the Internal Revenue Code [No. 84-730123K] and from all State and local government sales and use taxes [CRS, Title 39, Article 26, Parts I and II]. Such exemptions apply when materials are purchased for the benefit of State, except that in certain political subdivisions (e.g., City of Denver) vendor may be required to pay sales or use taxes even though the ultimate product or service is provided to buyer. Buyer shall not reimburse such sales or use taxes. **11. Payment.** Buyer shall pay vendor for all amounts due within 45 days after receipt of products or services and a correct notice of amount due. Interest on the unpaid balance shall begin to accrue on the 46th day at the rate set forth in CRS §24-30-202(24) until paid in full. Interest shall not accrue if a good faith dispute exists as to buyer's obligation to pay all or a portion of the amount due. Vendor shall invoice buyer separately for interest on delinquent amounts due, referencing the delinquent payment, number of day's interest to be paid, and applicable interest rate. **12. Vendor Offset.** [Not Applicable to Inter-governmental POs] Under CRS §24-30-202.4 (3.5), the State Controller may withhold payment under the State's vendor offset intercept system for debts owed to State agencies for: (a) unpaid child support debts or arrearages; (b) unpaid balances of tax, accrued interest, or other charges specified in CRS §39-21-101, et seq.; (c) unpaid loans due to the Student Loan Division of the Department of Higher Education; (d) amounts required to be paid to the Unemployment Compensation Fund; and (e) other unpaid debts owing to the State as a result of final agency determination or judicial action. **13. Assignment and Successors.** Vendor shall not assign rights or delegate duties under this PO, or subcontract any part of the performance required under this PO, without the express, written consent of buyer. This PO shall inure to the benefit of and be binding upon vendor and buyer and their respective successors and assigns. Assignment of accounts receivable may be made only upon written notice furnished to buyer. **14. Indemnification.** If any article sold or delivered under this PO is covered by a patent, copyright, trademark, or application therefore, vendor shall indemnify and hold harmless buyer from any and all loss, liability, cost, expenses and legal fees incurred on account of any claims, legal actions or judgments arising out of manufacture, sale or use of such article in violation or infringement of rights under such patent, copyright, trademark or application. If this PO is for services, vendor shall indemnify, save, and hold harmless buyer, its employees and agents, against any and all claims, damages, liability and court awards including costs, expenses, and attorney fees and related expenses, incurred as a result of any act or omission by vendor, or its employees, agents, subcontractors or assignees, arising out of or in connection with performance of services under this PO. **15. Independent Contractor.** Vendor shall perform its duties hereunder as an independent contractor and not as an employee. Neither vendor nor any agent or employee of vendor shall be deemed to be an agent or employee of buyer. Vendor and its employees and agents are not entitled to unemployment insurance or workers compensation benefits through buyer and buyer shall not pay for or otherwise

provide such coverage for vendor or any of its agents or employees. Unemployment insurance benefits will be available to vendor and its employees and agents only if coverage is made available by vendor or a third party. Vendor shall pay when due all applicable employment, income, and local head taxes incurred pursuant to this PO. Vendor shall not have authorization, express or implied, to bind buyer to any agreement, liability or understanding, except as expressly set forth herein. Vendor shall (a) provide and keep in force workers' compensation and unemployment compensation insurance in the amounts required by law, (b) provide proof thereof when requested by buyer, and (c) be solely responsible for its acts and those of its employees and agents.

**16. Communication.** All communication concerning administration of this PO, prepared by vendor for buyer's use, shall be furnished solely to purchasing agent.

**17. Compliance.** Vendor shall strictly comply with all applicable federal and state laws, rules, and regulations in effect or hereafter established, including, without limitation, laws applicable to discrimination and unfair employment practices.

**18. Insurance.** Vendor shall obtain, and maintain, at all times during the term of this PO, insurance as specified in the solicitation, and provide proof of such coverage as requested by purchasing agent.

**19. Termination Prior to Shipment.** If vendor has not accepted this PO in writing, buyer may cancel this PO by written or oral notice to vendor prior to shipment of goods or commencement of services.

**20. Termination for Cause.** (a) If vendor refuses or fails to timely and properly perform any of its obligations under this PO with such diligence as will ensure its completion within the time specified herein, buyer may notify vendor in writing of non-performance and, if not corrected by vendor within the time specified in the notice, terminate vendor's right to proceed with the PO or such part thereof as to which there has been delay or a failure. Vendor shall continue performance of this PO to the extent not terminated and be liable for excess costs incurred by buyer in procuring similar goods or services elsewhere. Payment for completed services performed and accepted shall be at the price set forth in this PO. (b) Buyer may withhold amounts due to vendor as buyer deems necessary to reimburse buyer for excess costs incurred in curing, completing or procuring similar goods and services. (c) If after rejection, revocation, or other termination of vendor's right to proceed under the CUCC or this clause, buyer determines for any reason that vendor was not in default or the delay was excusable, the rights and obligations of buyer and vendor shall be the same as if the notice of termination had been issued pursuant to termination under §21.

**21. Termination in Public Interest.** Buyer is entering into this PO for the purpose of carrying out the public policy of the State, as determined by its Governor, General Assembly, and Courts. If this PO ceases to further the public policy of the State, buyer, in its sole discretion, may terminate this PO in whole or in part and such termination shall not be deemed to be a breach of buyer's obligations hereunder. This section shall not apply to a termination for vendor's breach, which shall be governed by §20. Buyer shall give written notice of termination to vendor specifying the part of the PO terminated and when termination becomes effective. Upon receipt of notice of termination, vendor shall not incur further obligations except as necessary to mitigate costs of performance. For services or specially manufactured goods, buyer shall pay (a) reasonable settlement expenses, (b) the PO price or rate for supplies and services delivered and accepted, (c) reasonable costs of performance on unaccepted supplies and services, and (d) a reasonable profit for the unaccepted work. For existing goods, buyer shall pay (e) reasonable settlement expenses, (f) the PO price for goods delivered and accepted, (g) reasonable costs incurred in preparation for delivery of the undelivered goods, and (h) a reasonable profit for the preparatory work. Buyer's termination liability under this section shall not exceed the total PO price plus a reasonable cost for settlement expenses. Vendor shall submit a termination proposal and reasonable supporting documentation, and cost and pricing data as required by CRS §24-106-101, upon request of buyer.

**22. PO Approval.** This PO shall not be valid unless it is executed by purchasing agent. Buyer shall not be responsible or liable for products or services delivered or performed prior to proper execution hereof.

**23. Fund Availability.** Financial obligations of buyer payable after the current fiscal year are contingent upon funds for that purpose being appropriated, budgeted and otherwise made available. If this PO is funded in whole or in part with federal funds, this PO is subject to and contingent upon the continuing availability of federal funds for the purposes hereof. Buyer represents that it has set aside sufficient funds to make payment for goods delivered in a single installment, in accordance with the terms of this PO.

**24. Choice of Law.** State laws, rules and regulations shall be applied in the interpretation, execution, and enforcement of this PO. The CUCC shall govern this PO in the case of goods unless otherwise agreed in this PO. Any provision included or incorporated herein by reference which conflicts with such laws, rules, and regulations is null and void. Any provision incorporated herein by reference which purports to negate this or any other provision in this PO in whole or in part shall not be valid or enforceable or available in any action at law, whether by way of complaint, defense, or otherwise. Unless otherwise specified in the solicitation or this PO, venue for any judicial or administrative action arising out of or in connection with this PO shall be in Denver, Colorado. Vendor shall exhaust administrative remedies in CRS §24-109-106, prior to commencing any judicial action against buyer.

**25. Public Contracts for Services.** [Not Applicable to offer, issuance, or sale of securities, investment advisory services, fund management services, sponsored projects, intergovernmental POs, or information technology services or products and services] Vendor certifies, warrants, and agrees that it does not knowingly employ or contract with an illegal alien who will perform work under this PO and will confirm the employment eligibility of all employees who are newly hired for employment in the United States to perform work under this PO, through participation in the E-Verify Program or the Department program established pursuant to CRS §8-17.5-102(5)(c). Vendor shall not knowingly employ or contract with an illegal alien to perform work under this PO or enter into a contract or PO with a subcontractor that fails to certify to vendor that the subcontractor shall not knowingly employ or contract with an illegal alien to perform work under this PO. Vendor shall (a) not use E-Verify Program or Department program procedures to undertake pre-employment screening of job applicants during performance of this PO, (b) notify subcontractor and buyer within three days if vendor has actual knowledge that subcontractor is employing or contracting with an illegal alien for work under this PO, (c) terminate the subcontract if subcontractor does not stop employing or contracting with the illegal alien within three days of receiving notice, and (d) comply with reasonable requests made in the course of an investigation, undertaken pursuant to CRS §8-17.5-102(5), by the Colorado Department of Labor and Employment. If vendor participates in the Department program, vendor shall deliver to the buyer a written, notarized affirmation that vendor has examined the legal work status of such employee, and shall comply with all of the other requirements of the Department program. If vendor fails to comply with any requirement of this provision or CRS §8-17.5-101 et seq., buyer may terminate this PO for breach and, if so terminated, vendor shall be liable for damages. **26. Public Contracts with Natural Persons.** Vendor, if a natural person eighteen (18) years of age or older, hereby swears and affirms under penalty of perjury that he or she (a) is a citizen or otherwise lawfully present in the United States pursuant to federal law, (b) shall comply with the provisions of CRS §24-76.5-101 et seq., and (c) has produced a form of identification required by CRS §24-76.5-103 prior to the date vendor delivers goods or begins performing services under terms of the PO.

**Project Name: Crested Butte Land Trust Gunsight Bridge Prediction Level Assessment**

Grantee: Crested Butte Land Trust

Address: PO Box 2224 Crested Butte, CO 81224

Phone No.: 970-349-1206

CWCB Contract or  
Purchase Order No.:

Grant Amount: \$16,000

Date of Invoice: 6/13/2014

*FINAL*

Task	Description	Total Budget/Grant Funds	Previously Invoiced	Current Invoice	Remaining Total
1	Field data collection at high flow	\$0	\$0	\$0	\$0.00
2	Field data collection at low flow	\$7,919	\$0	\$7,919	\$0.00
3	Analysis and reporting/Conceptual design	\$6,451	\$0	\$6,451	\$0.00
4	Meeting and coordination	\$1,630	\$0	\$1,630	\$0.00
5	Monitoring	\$0	\$0	\$0	\$0.00
<b>TOTALS</b>		<b>\$16,000</b>	<b>\$0</b>	<b>\$16,000</b>	<b>\$0</b>

Submitted by: Danielle Beamer

Title: Stewardship Manager

Signature: 

*OK to pay*

*Chris*

*6/16/14*

*Chris Sturm*



*6/16/14*