

**Water Supply Reserve Fund
Water Activity Summary Sheet
September 18, 2019
Agenda Item 9(h)**

Applicant & Grantee: Montezuma County Noxious Weed Department
Water Activity Name: Russian Olive and Salt Cedar Waterway Management
Water Activity Purpose: Env & Agricultural Implementation
County: Montezuma
Drainage Basin: Southwest
Water Source: McElmo Creek
Amount Requested: \$16,840 Southwest Basin Account
Matching Funds: Basin Account Match (cash & in-kind) = \$79,382
• 293% of the Basin Account request (meets 25% min)
• 82% of the total project cost of \$96,223

Staff Recommendation:

Staff recommends approval of up to \$16,840 from the Southwest Basin Account to help fund the project: Russian Olive and Salt Cedar Waterway Management.
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Water Activity Summary: The Montezuma County Noxious Weed Department (MCNWD) has responded to the overwhelming amount of invasive and nonnative phreatophytes by hiring a two-person crew to make available to landowners for a low cost treatment of \$20/hour. The crew began work in May 2019 and has treated 2,962 Russian olives and 158 Salt cedars to date. The total water savings of these 3,120 treated trees, calculated by their diameter and a 39-week growing season, provides the region a water savings of 33.81-acre feet. MCNWD is seeking support from the Southwest WSRF account to help purchase a Fecon FRM76 Rotary Mower to significantly increase efficiency and decrease time spent within the thickets. This is important because the two-person crew has been experiencing health problems from current treatment procedures.

Discussion: As described in the Southwest Basin Roundtable (BRT) chair's recommendation letter, this project was supported and recommended for approval by the roundtable on July 10, 2019. The project addresses Colorado Water Plan and Southwest Basin Implementation goals to maintain watershed health by protecting and restoring watersheds, specifically through improving water quality and promoting diversity. The scope of this WSRF request is specifically for the purchase of a mower to support the larger Russian Olive and Salt Cedar Waterway Management project already funded by a Colorado Water Plan grant (approved by the Board in May 2019).

Issues/Additional Needs: None

Eligibility Requirements: The application meets requirements of all eligibility components.

Evaluation Criteria: Staff has determined this activity satisfies the Evaluation Criteria.

Funding Summary / Matching Funds:

<u>Funding Source</u>	<u>Cash</u>	<u>In-Kind</u>	<u>Total</u>
CWCB, Colorado Water Plan Grant	\$25,598	\$0	\$25,598
Colorado Department of Agriculture	\$22,500	\$0	\$22,500
Southwest Water Conservation District	\$7,100	\$0	\$7,100
Montezuma County	\$12,657	\$2,640	\$15,297
Landowners	\$8,888	\$0	\$8,888
WSRF Southwest Basin Account	\$16,840	n/a	\$16,840
Totals	\$93,583	\$2,640	\$96,223

CWCB Project Manager: Chris Sturm

SOUTHWEST BASINS ROUNDTABLE

Edward Tolen, First Vice Chair
c/o La Plata Archuleta Water District
P.O. Box 1377
Ignacio, Colorado 81137
970-563-0320

July 11, 2019

Megan Holcomb
Water Supply Management Section
Colorado Water Conservation Board
1580 Logan Street, Suite 600
Denver, Colorado 80203

SUBJECT: Montezuma County Noxious Weed Department Russian Olive and Salt Cedar
Waterway Management - \$16,840 from the Southwest Basin Fund

Dear Megan:

The Southwest Basin Roundtable has approved funding in the amount of \$16,480 from the Southwest Basin Fund for the Montezuma County Noxious Weed Department Russian Olive and Salt Cedar Waterway Management Project. The application was considered in detail at the July 10, 2019 meeting of the Southwest Basin Roundtable. There was a quorum of Roundtable members present.

The Project will remove Russian Olive and Salt Cedar (aka Tamarisk) along waterways and on private property in Montezuma County. The Noxious Weed Department has mapped 482 miles of waterways and 3,421 acres of pastureland that are infested with Russian Olive. The extent of the Salt Cedar infestation has not been mapped, but is estimated at 100 miles of water ways and 600 acres of land.

The Montezuma County Noxious Weed Department is working with willing property owners to remove both of these invasive species. The requested funding will result in improvements to water quality, restore ecosystems along waterways, and reduce water depletions by invasive species.

The Project addresses Southwest Basin BIP Measurable Goals and Outcomes A5: Maintain Watershed Health by Protecting and/or Restoring Water sheds, E1: Encourage and Support Restoration of Riparian Dependent Species and Plant Communities, E2: Meet Environmental Water Needs, and Colorado Water Plan Goal Environmental and Recreational Goals, Page 6-157

The completed Grant Application will be forwarded directly to you by the applicant. Please contact the applicant directly or me at 970-563-0320, etolen@laplawd.org, if you have questions or wish to discuss this application in more detail.

Sincerely,



Edward Tolen
Southwest Basin Roundtable First Vice Chair



Last Update: July 31, 2018

Colorado Water Conservation Board
Water Supply Reserve Fund Grant Application

Instructions

All WSRF grant applications shall conform to the current [2016 WSRF Criteria and Guidelines](#).

To receive funding from the WSRF, a proposed water activity must be approved by a Roundtable(s) **AND** the Colorado Water Conservation Board (CWCB). The process for Roundtable consideration and recommendation is outlined in the 2016 WSRF Criteria and Guidelines. The CWCB meets bimonthly according to the schedule on page 2 of this application.

If you have questions, please contact the current CWCB staff Roundtable liaison:

Arkansas

Ben Wade
ben.wade@state.co.us
303-866-3441 x3238

**Gunnison | North Platte |
South Platte | Yampa/White**

Craig Godbout
craig.godbout@state.co.us
303-866-3441 x3210

**Colorado | Metro | Rio Grande |
Southwest**

Megan Holcomb
megan.holcomb@state.co.us
303-866-3441 x3222

WSRF Submittal Checklist (Required)
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X	I acknowledge this request was recommended for CWCB approval by the sponsoring roundtable.
X	I acknowledge I have read and understand the 2016 WSRF Criteria and Guidelines .
X	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract . ⁽¹⁾
Application Documents	
X	Exhibit A: Statement of Work ⁽²⁾ (<i>Word – see Template</i>)
X	Exhibit B: Budget & Schedule ⁽²⁾ (<i>Excel Spreadsheet – see Template</i>)
X	Letters of Matching and/or Pending 3 rd Party Commitments ⁽²⁾
X	Map ⁽²⁾
X	Photos/Drawings/Reports
	Letters of Support
Contracting Documents ⁽³⁾	
X	Detailed/Itemized Budget ⁽³⁾ (<i>Excel Spreadsheet – see Template</i>)
	Certificate of Insurance ⁽⁴⁾ (<i>General, Auto, & Workers' Comp.</i>)
	Certificate of Good Standing ⁽⁴⁾
	W-9 Form ⁽⁴⁾
	Independent Contractor Form ⁽⁴⁾ (<i>If applicant is individual, not company/organization</i>)
	Electronic Funds Transfer (ETF) Form ⁽⁴⁾

(1) Click "Grant Agreements". For reference only/do not fill out or submit/required for contracting

(2) Required with application if applicable.

(3) Additional documentation providing a Detailed/Itemized Budget maybe required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.

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



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Schedule		
CWCB Meeting	Application Submittal Dates	Type of Request
January	December 1	Basin Account; BIP
March	February 1	Basin/Statewide Account; BIP
May	April 1	Basin Account; BIP
July	June 1	Basin Account; BIP
September	August 1	Basin/Statewide Account; BIP
November	October 1	Basin Account/BIP

Desired Timeline	
Desired CWCB Hearing Month:	July
Desired Notice to Proceed Date:	July

Water Activity Summary		
Name of Applicant	Montezuma County Noxious Weed Department	
Name of Water Activity	Russian olive and Salt cedar Waterway Management	
Approving Roundtable(s)		Basin Account Request(s) ⁽¹⁾
		Fecon FRm76 Mower \$16,840.00
Basin Account Request Subtotal		\$16,840.00
Statewide Account Request ⁽¹⁾		\$
Total WSRF Funds Requested (Basin & Statewide)		\$16,840.00
Total Project Costs		\$96,223

(1) Please indicate the amount recommended for approval by the Roundtable(s)

Grantee and Applicant Information



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Grantee and Applicant Information	
Name of Grantee(s)	Montezuma County Noxious Weed Department
Mailing Address	103 North Chestnut, Cortez CO 81321
FEIN	84-6000786
Grantee's Organization Contact ⁽¹⁾	Shak Powers
Position/Title	Montezuma County Administrator
Email	SPowers@co.montezuma.co.us
Phone	970-739-1132
Grant Management Contact ⁽²⁾	Bonnie Loving
Position/Title	Noxious Weed Department Director
Email	bloving@co.montezuma.co.us
Phone	970-565-0580
Name of Applicant (if different than grantee)	
Mailing Address	
Position/Title	
Email	
Phone	

(1) Person with signatory authority

(2) Person responsible for creating reimbursement invoices (Invoice for Services) and corresponding with CWCB staff.

Description of Grantee
Provide a brief description of the grantee's organization (100 words or less).
<i>The mission of Montezuma County Noxious Weed Program (MCNWD) is to implement a coordinated undesirable plant program utilizing integrated management methods to ensure that all lands within Montezuma County are effectively managed to meet the intent of the Colorado Noxious Weed Act. Management methods include, but are not limited to: education, prevention, good land stewardship, biological, chemical, cultural, and mechanical.</i>



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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: are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
	Non-governmental organizations: broadly, any organization that is not part of the government
	Covered Entity: as defined in Section 37-60-126 Colorado Revised Statutes

Type of Water Activity (check one)	
	Study
X	Implementation

Category of Water Activity (check all that apply)		
X	Nonconsumptive (Environmental)	
	Nonconsumptive (Recreational)	
X	Agricultural	
	Municipal/Industrial	
	Needs Assessment	
X	Education & Outreach	
	Other	Explain:

Location of Water Activity	
Please provide the general county and coordinates of the proposed activity below in decimal degrees . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
Montezuma County	
Latitude 37.34922849	
Longitude -108.58451228	



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Water Activity Overview

Please provide a summary of the proposed water activity (200 words or less). Include a description of the activity and what the WSRF funding will be used for specifically (e.g. studies, permitting, construction). Provide a description of the water supply source to be utilized or the water body affected by the activity. 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, area of habitat improvements. 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, and Schedule.

MCNWD has responded to the overwhelming amount of invasive/nonnative Phreatophytes by hiring a two-person crew to make available to landowners for a low cost treatment of \$20/hour. The crew has been working since May 1st, 2019 and has treated 2,962 Russian olives (DBH <2": 1,956, DBH 2-4": 443, DBH>4": 563) and 158 Salt cedars (DBH <2": 66, DBH 2-4": 62, DBH>4": 30). Total water savings of these 3,120 treated trees were calculated by their diameter and a 39-week growing season, giving a water savings of 33.81-acre feet.

The two-person crew has many properties scheduled for treatment along McElmo Creek. They started on one property and realized chainsaws were not efficient for treating Salt cedar thickets, as well as working within the Salt cedars was causing health problems, it is giving them severe headaches. We are therefore requesting funds for a Fecon FRM76 Rotary Mower for \$16,840.00. We are charging the landowners \$20/hour to help with costs, and we will use that money to rent a skid steer to operate the mower. One crewmember will run the skid steer and the other will follow at a safe distance and treat the stumps with herbicide. Having this mower will increase efficiency and will decrease time spent within the thickets that could be causing the headaches.

Measurable Results

To catalog measurable results achieved with WSRF funds please provide any of the following values.

	New Storage Created (acre-feet)	
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
	Existing Storage Preserved or Enhanced (acre-feet)	
	Length of Stream Restored or Protected (linear feet)	
300 acre-feet	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
250	Area of Restored or Preserved Habitat (acres)	
	Length of Pipe/Canal Built or Improved	
	Other	Explain:



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Water Activity Justification

Provide a description of how this water activity supports the goals of [Colorado's Water Plan](#), the most recent [Statewide Water Supply Initiative](#), and the respective [Roundtable Basin Implementation Plan and Education Action Plan](#) ⁽¹⁾. 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).

For applications that include a request for funds from the Statewide Account, the proposed water activity shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan criteria for state support (CWP, Section 9.4, pp. 9-43 to 9-44;) (Also listed pp. 4-5 in [2016 WSRF Criteria and Guidelines](#)).

Montezuma County Noxious Weed Department has mapped 482 miles of waterways and an additional 3,421 acres of pasture and wetlands infested with Russian olives. Giving us a grand total of 6,098 acres of infested land. Salt cedar is in our project scope as well, however we have not mapped the Salt cedar, but we estimate it is infesting at least 100 miles of waterways or 600 acres of land within Montezuma County.

We used data from published research studies to calculate our water loss from Russian olives and Salt cedars and it came out to be 4,800 acre feet or 1,564,086,849.6 gallons/year in Montezuma County. Southwest Colorado has been in extreme drought for a few years now, and water is one of our top scarce resources. The heart of our county is in agriculture, if we continue to lose water, people will start losing their farms and way of life. It therefore is our duty to do whatever we can to conserve what little water we have.

Studies have also proven other negative aspects of Russian olives such as increased Nitrogen levels in the water, decreasing water quality and increasing algae. There have also been studies that found increases in Carp populations where Russian olives have taken over, which is a problem because Carp are non-native fish that push out our native fish populations. There have also been studies that show an increase in mosquito populations in Russian olive thickets versus native trees.

Other negative impacts Russian olives have is the debris they put into irrigation ditches and water. This increases the chances of clogging ditches and losing water from it flooding out at the clog site. This also attributes to higher ditch maintenance costs.

Colorado Water's Plan

Chapter 7 Highlights the importance of promoting watershed health to ensure Colorado's water future. Montezuma County Noxious Weed Department's project directly supports watershed health by improving water quality (reducing nitrogen level, reducing debris which decreases algae and increases O₂), promotes diversity



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Water Activity Justification

(Russian olives reduce diversity by out-competing native vegetation such as grass forbs and trees), promotes magnitude of water systems (by decreasing debris in return reducing clogging and increasing natural water flow), as well as decreases fire hazard (Russian olives have tremendous natural die-off each year which is a fire hazard, fires effect streambank stability and increase sediment into water).

The Colorado Water's Plan also promotes partnerships for improving watershed health. This project is promoting collaborative management within our entire community.

Lastly the project supports Colorado Water's Plan by conserving water as a result of drought.

Statewide Water Supply Initiative

With our growing population the state needs to be pro-active with supply and demand. This relates to our project because we are reducing unnecessary waterloss by invasive species in order to maintain that supply.

Roundtable Basin Implementation Plan

Montezuma County Noxious Weed Department's project fits within the Instream Flow Program because the project is essentially recovering imperiled species (by removing the invasive plants that are out-competing our native species), enchancing environmental and recreational economic values (by promoting a prestine ecosystem), protecting healthy environments, and protecting and restoring critical watersheds. Russian olives and Salt cedars are negatively changing our waterways, they are pushing out native plant and animal species, promoting mosquito populations, decreasing water quality, and are overall changing the ecosystems completely.

Montezuma Valley Irrigation Company Project Stipulation:

Trees cannot be treated within 20 feet of an MVIC ditch. MVIC ditches are: Towaoc Highline, Rocky Ford, Simon Suckla, Ute, Duncan Ditch, Garrett Ridge, Lone Pine, East Lateral, Big and Little Corkscrew, Goodland, U Lateral, Moon Light, West Lateral, Lower and Upper Arickaree, and Hermana.

(1) Access Basin Implementation Plans or Education Action Plans from Basin drop down menu.



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Matching Requirements: Basin Account Requests	
Basin (only) Account grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3 rd party and shall be accompanied by a letter of commitment as described in the 2016 WSRF Criteria and Guidelines (submitted on the contributing entity's letterhead). Attach additional sheet if necessary.	
Contributing Entity	Amount and Form of Match (note cash or in-kind)
Colorado Department of Agriculture	\$22,500
Colorado Water Plan	\$25,598
Southwestern Water Conservation District	\$7,100
Montezuma County (Crew Training / Job coordination / Admin (est 120 hours x \$22/hour) InKind	\$2,640
Montezuma County (Notification Letters Postage / Advertising)	\$1,000
Landowners – Skid Steer Rental	\$8,887.50
Montezuma County – purchase a UTV	\$11,657.00
Total Match	\$79383.00
If you requested a Waiver to the Basin Account matching requirements, indicate the percentage you wish waived.	

Matching Requirements: Statewide Account Requests	
Statewide Account grant requests require a 50% match as described in the 2016 WSRF Criteria and Guidelines. A minimum of 10% match shall be from Basin Account funds (cash only). A minimum of 10% match shall be provided by the applicant or 3 rd party (cash, in-kind, or combination). The remaining 30% of the required match may be provided from any other source (Basin, applicant, or 3 rd party) and shall be accompanied by a letter of commitment . Attach additional sheet if necessary.	
Contributing Entity	Amount and Form of Match (note cash or in-kind):
Total Match	
If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement).	



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Related Studies

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

Russian olive Biology Identification Distribution Control by Robert Wilson and Mark Bernards Extension Weeds Specialists

Previous CWCB Grants

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

N/A

Tax Payer Bill of Rights

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

N/A



Last Update: January 9, 2018

Colorado Water Conservation Board	
Water Supply Reserve Fund	
Exhibit A - Statement of Work	
Date:	6-30-2019
Water Activity Name:	Russian olive and Salt cedar Waterway Management
Grant Recipient:	Montezuma County Noxious Weed Department
Funding Source:	
Water Activity Overview: (Please provide brief description of the proposed water activity (no more than 200 words). Include a description of the overall water activity and specifically what the WSRF funding will be used for.	
<p>MCNWD has responded to the overwhelming amount of invasive/nonnative Phreatophytes by hiring a two-person crew to make available to landowners for a low cost treatment of \$20/hour. The crew has been working since May 1st, 2019 and has treated 2,962 Russian olives (DBH <2": 1,956, DBH 2-4": 443, DBH>4": 563) and 158 Salt cedars (DBH <2": 66, DBH 2-4": 62, DBH>4": 30). Total water savings of these 3,120 treated trees were calculated by their diameter and a 39-week growing season, giving a water savings of 33.81-acre feet.</p> <p>The two-person crew has many properties scheduled for treatment along McElmo Creek. They started on one property and realized chainsaws were not efficient for treating Salt cedar thickets, as well as working within the Salt cedars was causing health problems, it is giving them severe headaches. We are therefore requesting funds for a Fecon FRM76 Rotary Mower for \$16,840.00. We are charging the landowners \$20/hour to help with costs, and we will use that money to rent a skid steer to operate the mower. One crewmember will run the skid steer and the other will follow at a safe distance and treat the stumps with herbicide. Having this mower will increase efficiency and will decrease time spent within the thickets that could be causing the headaches.</p>	
Objectives: (List the objectives of the project)	



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- **Reduce Russian olive and Salt cedar populations along waterways in an effort to:**
 - **Conserve water.**
 - **Reduce nitrogen levels in water.**
 - **Reduce maintenance costs caused by debris of Russian olive and Salt cedar.**
 - **Reduce mosquito populations.**
 - **Reduce invasive / noxious listed species in order to promote native habitats.**

Tasks
Provide a detailed description of each task using the following format:
<u>Task 1 - (Name)</u>
Description of Task: Purchase rotary mower, and rent skid steer for treatment of Salt cedars along McElmo creek and other waterways where the Salt cedar has become thickets.
Method/Procedure: One crewmember will operate skidsteer and will mow down thicket of Salt cedars. The second crew member will follow either on an atv and broadcast treat stumps with herbicide, or will follow on foot and treat stumps with herbicide by hand. Russian olive treatments will continue by hand with chainsaws.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Treatments are thoroughly documented, treated trees will be documented by diameter class, that way we can get an accurate calculation of water savings. Before and after pictures will also be taken this year and next year. Follow ups will also be done on all properties treated in 2019, we will treat any sprouts in 2020.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)



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Tasks
Montezuma County Noxious Weed Department (MCNWD) will provide shapefiles of treatment acres as well as photo points. MCNWD will also provide copies of all field tickets of work done on all properties which will include the number of trees treated within each diameter class we record.

Tasks
Provide a detailed description of each task using the following format:
Task 2 - (Name)
Description of Task:
Method/Procedure:
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)



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Tasks
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)

Repeat for Task 3, Task 4, Task 5, etc.

Budget and Schedule
Exhibit B - 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 <u>excel format</u> . A separate <u>excel formatted</u> Budget is required for engineering costs to include rate and unit costs.

Reporting Requirements
Progress Reports: The grantee 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.
Final Report: At completion of the project, the grantee shall provide the CWCB a Final Report on the grantee's letterhead that: <ul style="list-style-type: none">• 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.

Payments
Payment will be made based on actual expenditures, must include invoices for all work completed and must be on grantee's letterhead. 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.
The CWCB will pay the last 10% of the <u>entire</u> water activity 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 water activity and purchase order or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to CWCB within 90 days of the expiration of a purchase order or contract may be denied consideration for future funding of any type from CWCB.

Performance Requirements
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 Grant Guidelines, the CWCB will pay out the last 10% of the budget when the final deliverable is completed to the satisfaction of CWCB staff. Once the final deliverable has been accepted, and final payment has been issued, the purchase order or grant



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Reporting Requirements

will be closed without any further payment.

(b) Accountability: Per the 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 the Grant Guidelines, Progress Reports must be 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**Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board**Water Supply Reserve Fund****EXHIBIT B - BUDGET AND SCHEDULE - Direct & Indirect (Administrative) Costs****Date: 6-30-19****Water Activity Name: Russian olive and Salt cedar Waterway Management****Grantee Name: Montezuma County Noxious Weed Department**

<u>Task No.</u> ⁽¹⁾	<u>Description</u>	<u>Start Date</u> ⁽²⁾	<u>End Date</u>	<u>Matching Funds</u> (cash & in-kind) ⁽³⁾	<u>WSRF Funds</u> (Basin & Statewide combined) ⁽³⁾	<u>Total</u>
<u>1</u>	<u>Fecon FRm76 Mower</u>	<u>1-Oct-19</u>	<u>1-Dec-19</u>	\$81,725.50	\$16,840	\$98,566
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
Total				\$0	\$0	\$0

(1) The single task that include costs for Grant Administration must provide a labor breakdown (see Indirect Costs tab below) where the total WSRF Grant contribution towards that task does not exceed 15% of the total WSRF Grant amount.

(2) Start Date for funding under \$100K - 45 Days from Board Approval; Start Date for funding over \$100K - 90 Days from Board Approval.

(3) Round values up to the nearest hundred dollars.

- Additional documentation providing a Detailed/Itemized Budget may be required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.

- Reimbursement eligibility commences upon the grantee's receipt of a Notice to Proceed (NTP)

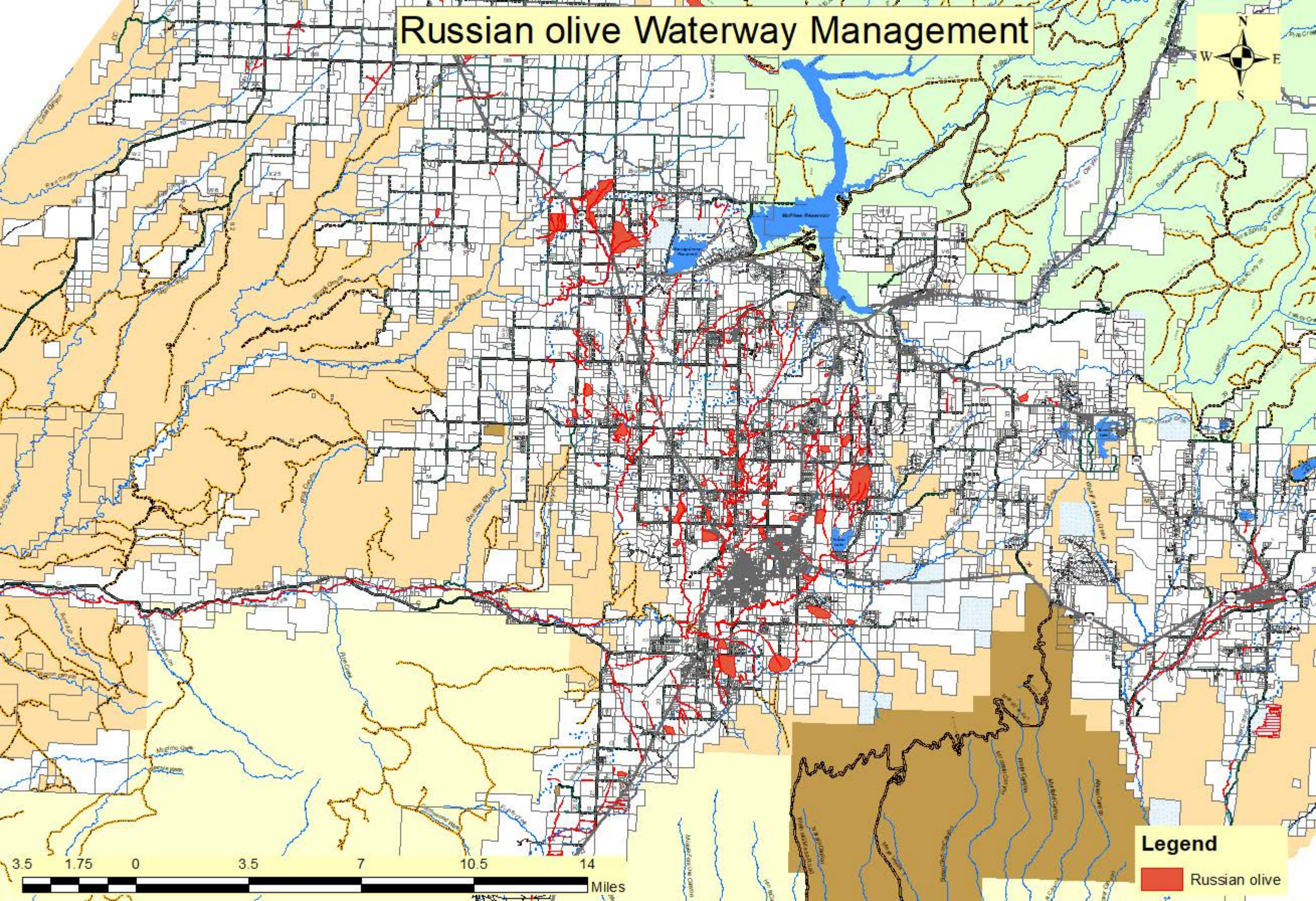
- NTP will not be accepted as a start date. Project activities may commence as soon as the grantee enters contract and receives formal signed State Agreement.

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of the CWCB staff project manager. Once the Final Report has been accepted, the final payment has been issued, the water activity and purchase order (PO) or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to the CWCB with 90 days of the expiration of the PO or contract may be denied consideration for future funding of any type from the CWCB.

- Additionally, the applicant shall provide a progress report every 6 months, beginning from the date of contract execution

- Standard contracting procedures dictate that the Expiration Date of the contract shall be 5 years from the Effective Date.

Russian olive Waterway Management



Legend

■ Russian olive



THE SOUTHWESTERN WATER CONSERVATION DISTRICT

Developing and Conserving the Waters of the
SAN JUAN AND DOLORES RIVERS AND THEIR TRIBUTARIES
IN SOUTHWESTERN COLORADO
West Building – 841 East Second Avenue
DURANGO, COLORADO 81301
(970) 247-1302

February 22, 2019

Bonnie Loving
Montezuma County Noxious Weed Department
109 West Main, Room 260
Cortez, CO 81321

Re: 2019 Russian Olive Waterway Management

Dear Ms. Loving:

Thank you for the application for financial assistance, and your presentation to the Southwestern Water Conservation District Board of Directors on February 12 meeting.

After discussing the merits of the application, the Board voted to approve the grant request for the full amount of \$7,100! The Board asked that invoices for the materials to be covered by the grant (as identified in the proposed budget) be provided prior to disbursement to ensure no SWCD funds are spent on personnel-related costs. Also, the Board asked to receive further documentation in the final grant report of the actual acres of phreatophytes removed.

Enclosed with this letter is a *Document of Understanding* that outlines the conditions of the grant. Please review, sign, and return it at your earliest convenience. We ask that the Montezuma County request the funds when the money is needed in 2019. There is a *Request for Release of Funds* form enclosed that also needs to be signed and sent to our office (or lauras@swgcd.org).

If you have any questions, please contact the District office at (970) 247-1302.

Best Regards,

Bruce Whitehead
Executive Director



THE SOUTHWESTERN WATER CONSERVATION DISTRICT

Developing and Conserving the Waters of the
SAN JUAN AND DOLORES RIVERS AND THEIR TRIBUTARIES
IN SOUTHWESTERN COLORADO

**Financial Assistance
Document of Understanding**

Name: Bonnie Loving
Organization: Montezuma County
Project: 2019 Russian Olive Waterway Management

The following conditions apply to your request for financial assistance:

- 1) The grant funds will be used only for the purposes described in the application.
- 2) A final written report, including a description of work completed and a detailed accounting of the use of funds, will be due to Southwestern Water Conservation District within three (3) months of the final expenditure or by December 31, 2019, whichever occurs first.
- 3) Funding will be requested when it is needed in 2019. Upon the District's receipt of the *Request for Release of Funds* form, the grant will be made available.

My signature indicates that I understand and agree to the conditions as outlined above.

Signature

Date

If you have updated contact information, please include it below. Otherwise, you may leave this portion of the form blank.

Address

City, State, Zip Code

Phone

Fax

Email



THE SOUTHWESTERN WATER CONSERVATION DISTRICT

Developing and Conserving the Waters of the
SAN JUAN AND DOLORES RIVERS AND THEIR TRIBUTARIES
IN SOUTHWESTERN COLORADO

**Financial Assistance
Request for Release of Funds**

Date

Organization

Project

Contact Person

I, the undersigned, do hereby request the release of funds in the amount of \$_____.

By signing this document, I assure Southwestern Water Conservation District that the funds are needed at this time and will only be used for the specific purpose and amount indicated in my application.

I understand that if the project is under budget, there is an expectation that grant funding will be returned to SWCD in the proportion the project was under budget.

I understand that if the intended use of grant funds changes, board approval will be necessary. I also understand that the District may require additional documentation regarding the use of the funds at its discretion.

I acknowledge the District's requirement for a final written report, including a description of work completed and a detailed accounting of the use of funds.

Printed Name

Signature

Date

Please mail this request to SWCD, 841 E. 2nd Ave., Durango, CO 81301 or e-mail lauras@swgcd.org.



STATE OF COLORADO

Department of Agriculture

Page 1 of 1

ORDER				*****IMPORTANT*****			
Number: POGG1,BDAA,201900002835				The order number and line number must appear on all invoices, packing slips, cartons, and correspondence.			
Date: 4/25/19							
Description: 2019 WF Grant- Montezuma County							
Effective Date: 04/15/19				BILL TO Colorado Department of Agriculture 305 Interlocken Parkway Broomfield, CO 80021			
Expiration Date: 12/02/19							
BUYER				SHIP TO			
Buyer:				Colorado Department of Agriculture 305 Interlocken Parkway Broomfield, CO 80021			
Email:							
VENDOR				SHIPPING INSTRUCTIONS			
MONTEZUMA COUNTY Weed Program 109 W Main Rm 260 Cortez, CO 81321-3154				Delivery/Install Date: - FOB:			
Contact: Bonnie Loving Phone: 970-565-0580							
VENDOR INSTRUCTIONS							
EXTENDED DESCRIPTION							
2019 Weed Fund Grant							
Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.	
1	G1000		0	0.00	\$62,000.00	<input type="checkbox"/>	
Description: 2019 WF Grant- Montezuma County							
Grant Work per attached Scope of Work, incorporated by this reference.							
Service From: 04/15/19				Service To: 12/02/19			
TERMS AND CONDITIONS							
https://www.colorado.gov/pacific/osc/small-dollar-grant-award-terms-conditions							
DOCUMENT TOTAL = \$62,000.00							

STATEMENT OF WORK

I. Project Description / Objectives

Survey for, treat and monitor a subset of noxious weeds on federally and state managed public lands, rights-of-ways and privately owned lands within Montezuma County. Treatments include ground-based and cost share methods. Two project areas include Russian olive waterway and Mancos River. Interagency prevention and education efforts will continue.

II. Contractor

Contractor Legal Name: Montezuma County

Contractor DUNS Number: 20203894

Contractor Designation: Grantee

III. Definitions

CDA	Colorado Department of Agriculture
Noxious Weeds	Title 35, Article 5.5, Colorado Noxious Weed Act, and the weed species listed at https://www.colorado.gov/ag/weeds
Quarter	A period of 3 months Quarter 1: July-September Quarter 2: October-December Quarter 3: January-March Quarter 4: April-June
SFY	State Fiscal Year, July 1 – June 30
The State	Colorado Department of Agriculture

IV. Personnel

The State relied, in part, in the awarding of this contract upon the qualifications of the Contractor's Key Personnel.

1. Key Personnel List

The State considers the following positions, and the assigned Contractor Personnel, to be key personnel:

- a. Project Manager, Bonnie Loving, Noxious Weed Program Director

2. Replacement

Contractor shall immediately notify the State if any Key Personnel cease to serve. Provided there is a good-faith reason for the change, if Contractor wishes to replace its Key Personnel, it shall notify the State and seek its approval. Such approval is at the State's sole discretion, as the State issued this Grant Agreement in part reliance on Contractor's representations regarding Key Personnel. Such notice shall specify why the change is necessary, who the proposed replacement is, what their qualifications are, and when the change would take effect.

Anytime Key Personnel cease to serve, the State, in its sole discretion, may direct Contractor to suspend Work until such time as their replacements are approved. The State shall not compensate the contractor at a higher rate for Replacement Key Personnel.

V. Performance Activities

1. The Contractor shall manage the Project.
 - a. Participate in a post-award discussion with the CDA Project Manager,
 - b. Create Quarterly Progress Reports,
 - c. Create a Final Report,
 - d. Hire and/or retain and train staff as needed,
 - e. Purchase equipment and supplies,
 - f. Implement a cost-share program,
 - g. Locate, identify and treat noxious weeds,
 - h. The Contractor shall monitor treated areas for effectiveness.

VI. Performance Standards and Requirements

1. The Contractor's grant application may be interpreted as the prior, express condition of an "Agreed upon" alternative, unless otherwise specified herein or within the Contractors award notice. The order of precedence for this Grant Agreement shall be:
 - a. The Terms & Conditions of this Grant Agreement,
 - b. The Scope of Work,
 - c. The Award Letter, or similar instrument,
 - d. The Contractor's Grant Application.
2. The content of electronic documents and information contained on CDA websites may be updated periodically during the contract term. The contractor shall monitor documents and website content for updates and comply with all updates.
 - a. A list of noxious weeds species is available at: <https://www.colorado.gov/ag/weeds>
3. The Contractor shall locate, identify and treat the following noxious weeds:
 - a. Mediterranean sage approximately 4 infested acres +/- 1 acres
 - b. Myrtle spurge approximately 5 infested acres +/- 1 acres
 - c. Leafy spurge approximately 20 infested acres +/- 5 acres
 - d. Cutleaf teasel approximately 30 infested acres +/- 5 acres
 - e. Black henbane approximately 20 infested acres +/- 5 acres
 - f. Yellow toadflax approximately 60 infested acres +/- 10 acres
 - g. Russian knapweed approximately 2000 infested acres +/- 50 acres
 - h. Russian olive approximately 250 infested acres +/- 20 acres
 - i. Canada thistle approximately 2000 infested acres +/- 50 acres
 - j. Dalmatian toadflax approximately 400 infested acres +/- 20 acres
 - k. Diffuse knapweed approximately 150 infested acres +/- 20 acres
 - l. Hoary cress approximately 150 infested acres +/- 20 acres
 - m. Musk thistle approximately 1000 infested acres +/- 50 acres
 - n. Spotted knapweed approximately 20 infested acres +/- 5 acres
4. The contractor shall utilize integrated weed management techniques to manage and remove invasive and noxious species that will include biological, cultural, mechanical and/or chemical control methods.
5. The Contractor shall monitor treated areas for effectiveness using photo points and other techniques.
6. The Contractor shall implement a landowner cost-share program with the following elements:
 - a. Submit EDDMapS entries, list or map of participating landowners in cost share programs.

7. The Contractor shall purchase necessary weed control and education/outreach equipment and supplies. This includes:
 - a. Conduct proper maintenance and storage of equipment.
 - b. Make purchased equipment available for CDA inspection when requested.
8. The Contractor shall strictly follow all label directions for herbicides and use appropriate personal protective equipment during applications.
9. The Contractor shall follow best practices for all treatment methods, as determined by the CDA Project Manager.
10. The Contractor shall obtain all necessary permits for all activities and follow all applicable laws, regulations, ordinances and similar requirements.
11. All reports and other submittals, except map data, shall:
 - a. Be submitted on a template supplied by CDA or other agreed format,
 - b. Be created in .docx or other agreed upon electronic document format, and
 - c. Be submitted electronically via email to the CDA Project Manager.
12. For map data, the Contractor shall geo-reference and report accurate locations of targeted noxious weed populations.
 - a. The contractor shall use a handheld GPS-enabled device or website
 - b. Enter point, line and/or polygon noxious weed data into EDDMapS West.
 - i. EDDMapS West online spatial database and mobile applications for iPhone and Android can be found at the following website: <https://www.eddmaps.org/mrwc/>
 - c. Each data point, line and/or polygon needs to include in the corresponding ancillary information:
 - i. Species name (Latin and common)
 - ii. Latitude/longitude or other geo reference
 - iii. County and state
 - iv. Reporter name and affiliation
 - v. Date observed/treated (month and year)
 - vi. Ocular estimate of population cover or abundance (e.g. 15% cover, 2000 plants, etc.)
 - vii. Ocular or GPS'd spatial extent/size of population (e.g. ¼ acre, 2 acres, etc.)
 - viii. If using a hand-held GPS, datum used in GPS device (e.g. WGS 84, UTM NAD 83 z13n, etc.); Cell phones/tablets are always WGS 84.
 - d. This work includes preparation, field survey, data collection, quality control checks, data entry, and map production.
13. Quarterly reports shall:
 - a. Be submitted on a template supplied by CDA.
 - b. Be submitted via email to the CDA Project Manager.
14. The Final Report shall:
 - a. Be submitted on a template supplied by CDA,
 - b. Include requested information on the report form itself, as well as other documentation described on the Final Report template.

VII. Deliverables and Acceptance

1. The Contractor shall enter noxious weed data following Section VI.13 above, prior to submitting the Final Report.
2. The Contractor shall submit Quarterly Reports to the CDA Project Manager no later than 30 calendar days after the end of each quarter.
3. The Contractor shall submit a Final Report to the CDA Project Manager no later than the expiration date of this Grant Agreement.

VIII. Budget

This Grant Agreement contains state funds.

Performance Activity	Description	SFY 2019 funds	SFY 2020 funds	Matching funds*
Survey, Treatment, Monitoring	Hire subcontractor for interagency Mancos River project; includes survey, treatment, monitoring and EDDMapS data submission	\$0	\$28,500	\$29,000
Survey, Treatment, Monitoring	Hire 2 temporary employees for Russian olive project @ \$15/hr for 7 months	\$5,500	\$17,000	\$22,500
Survey, Treatment, Monitoring	Landowner Cost Share Program for approximately 200 landowners @ average of \$75/property, includes writing site specific management plans	\$10,000	\$0	\$10,000
Treatment	Purchase herbicides (herbicide, surfactant, etc.), PPE	\$0	\$1,000	\$500
Total		\$15,500	\$46,500	\$62,000
Cumulative Total		\$62,000		\$62,000

*This grant requires a 1:1 match of state funds.

1. Funding includes funds from both SFY 2019 and SFY 2020. Funds may only be expended in the SFY for which they are intended. Any invoice submitted for work completed up to June 30, 2019 cannot exceed the total amount of SFY 2019 funds as shown in the table above.
2. The Contractor shall manage all budgets by line as they appear in this **Budget**. The Contractor is authorized to move funds among budget lines only with the prior, expressed written permission of the CDA Project Manager. A request to move funds shall be accompanied by an updated budget and justification for the move. This may be accomplished electronically. Funds are NOT authorized to be moved among SFY or among columns.
3. The Contractor can incur matching expenses, including in-kind contributions, up to 90 days prior to the start date of this Grant Agreement. Matching expenses must meet the requirements of the Request for Applications. Documentation of matching expenses shall be submitted with the Final Invoice.

IX. Invoicing

1. To receive compensation under the Grant Agreement, the Contractor shall submit a signed Invoice Form. The Invoice Form must be the form provided by CDA or an approved alternate. The Invoice Form must be submitted no later than **forty-five (45)** calendar days after the end of the contract termination date. Expenditures shall be in accordance with this Statement of Work and Budget.

2. The Contractor shall retain a copy of all grant documents and make them available upon request, for three years following the termination date of the contract.
3. The Contractor shall submit the following documentation with the completed invoice:
 - a. Certified payroll records for personnel expenses to be reimbursed
 - b. Subcontractor invoices for work completed
 - c. Receipts for direct costs and expenditures
 - d. Itemized matching expenses and proof of in-kind match contributions, and
 - e. Other fiscal documentation requested by the CDA Project Manager necessary to support the invoice.
4. Scan the completed and signed Invoice Form and supporting documentation into an electronic document. Email the Invoice form and supporting documentation to the CDA Project Manager.

Lara Duran, CDA Project Manager
Conservation Services Division
Colorado Department of Agriculture
305 Interlocken Parkway
Broomfield, Colorado 80021
303-869-9036
lara.duran@state.co.us

5. Final billings under the Grant Agreement must be received by the State within a reasonable time after the expiration or termination of the Grant Agreement; but in any event no later than **forty-five (45)** calendar days from the effective expiration or termination date of the Grant Agreement.

Properties 2019 Treatment Pictures













