

April 24, 2018

Town of Carbondale
Attn: Mark O'Meara, Utility Director
511 Colorado Avenue
Carbondale, CO 81623

Dear Grantee:

We are pleased to inform you that the Colorado Department of Natural Resources, Colorado Water Conservation Board (CWCB) has approved your application for funding pursuant to the WSRF Grant Program ("Program") in the amount of \$20,700.00. This letter authorizes you to proceed with the Crystal River Restoration and Weaver Ditch Efficiency Project ("Project") in accordance with the terms of this Grant Award Letter.

Attached to this letter are the terms and conditions of your Grant. Please review these terms and conditions, as they are requirements of this Grant to which you, Town of Carbondale agree by accepting the Grant Funds.

The WSRF Criteria & Guidelines can be located on our website for additional information.

If you have any questions or concerns regarding the project, please contact Megan Holcome, Project Manager at 303-866-3441 ext. 3222 or at Megan.Holcomb@state.co.us. Please send the 6-month progress reports and invoices directly to the Project Manager and cc me at Dori.vigil@state.co.us.

Thank you.

Sincerely,

//s//

Doriann Vigil
Program Assistant II
O 303-866-3441 ext. 3250
1313 Sherman Street, Rm. 719, Denver, CO 80203
Dori.vigil@state.co.us / cwc.state.co.us

Attachments



STATE OF COLORADO
Department of Natural Resources

Page 1 of 1

ORDER

*****IMPORTANT*****

Number: POGG1,PDAA,201800000882

Date: 4/24/18

Description:

PDAA 2500 WSRF - CARBONDALE_CRYSTAL
RIV_WEAVER DITCH

Effective Date: 04/24/18

Expiration Date: 12/31/19

The order number and line number must appear on all invoices, packing slips, cartons, and correspondence. Please review each line for its corresponding shipping/billing address and delivery instructions.

BUYER

Buyer:

Email:

VENDOR

TOWN OF CARBONDALE

511 COLORADO AVE

STE 1

CARBONDALE, CO 81623-4006

Contact: .

Phone: 9709632733

EXTENDED DESCRIPTION

Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	\$20,700.00	<input type="checkbox"/>
Description:	PDAA 2500 WSRF - CARBONDALE_CRYSTAL RIV_WEAVER DITCH					

Service From: 04/24/18

Service To: 12/31/19

Delivery Instructions

FOB: FOB Dest, Freight Allowed

Delivery Date: -

Ship To:

Bill To:

COLORADO WATER BOARD
CONSERVATION

COLORADO WATER BOARD CONSERVATION

1313 SHERMAN STREET, ROOM 718

1313 SHERMAN STREET, ROOM 718

DENVER, CO 80203

DENVER, CO 80203

TERMS AND CONDITIONS

<https://www.colorado.gov/pacific/osc/small-dollar-grant-award-terms-conditions>

DOCUMENT TOTAL = \$20,700.00



Last Update: January 9, 2018

<u>Colorado Water Conservation Board</u>	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	9/29/2017
Water Activity Name:	Carbondale Crystal River Restoration and Weaver Ditch Efficiency Project
Grant Recipient:	Town of Carbondale
Funding Source:	
Water Activity Overview:	
The Town of Carbondale, with partners Aspen Valley Land Trust, Roaring Fork Conservancy, American Rivers, and Public Counsel of the Rockies is proposing to restore and enhance a one-half mile, 18-acre reach of the Crystal River as it flows through the town of Carbondale, AND improve the efficiency of the town owned Weaver Ditch headgate and diversion.	
Objectives:	
<ol style="list-style-type: none">1) <u>Restore</u> the ecological integrity of the riparian zone through streambank stabilization, reconnection of the floodplain, and replace invasive weed communities and plant monocultures with healthy and diverse riparian plant regimes, while preserving healthy bird and wildlife habitat.2) <u>Develop</u> a long term, self-sustaining solution to improve river channel stability, fish habitat and spawning areas by promoting conditions that support and enhance instream biotic structure and diversity.3) <u>Create</u> a self-sustaining diversion and head gate structure for the Weaver Ditch to function as part of the river system while improving the water delivery for the Town of Carbondale and consistent with future ditch improvements and efficiencies4) <u>Enhance</u> passive user experiences of Riverfront Park through interpretive signs, trails, gathering spaces, and educational programs.	



Last Update: January 9, 2018

Tasks
Provide a detailed description of each task using the following format:
<u>Task 1 – Data Collection and Analysis</u>
<p>Description of Task: Task 1 will take the project through the data collection, analysis and conceptual alternatives development phase of the project including the following subtasks:</p> <ul style="list-style-type: none">• Sub-task 1A - Project Management and Coordination - \$3,783• Sub-task 2 - Site Inventory and Assessment - \$22,598<ul style="list-style-type: none">○ Survey○ Stakeholder input and Existing Data Review○ River and Trails Assessment○ Field Inventory and Analysis, Vegetation Mapping<ul style="list-style-type: none">▪ Rapid Wetland Community Survey and Assessment▪ Riparian Systems and Habitat Assessment▪ Environmentally Sensitive Lands▪ Wildlife and Plant Species▪ Fisheries Habitat Assessment▪ Restoration Opportunities Survey▪ Corridor Recreation, Education and Interpretation Opportunities Survey/Documentation• Sub-task 3 - Hydrologic and Hydraulic Analysis - \$16,958• Sub-task 4 – Public Meetings and Stakeholder Involvement - \$11,416• Sub-task 5 – Conceptual Alternatives Development - \$33,731<ul style="list-style-type: none">○ Alternatives Development○ Construction Cost Estimate○ Design Report○ Presentation to Stakeholders and the Public <p>Total Consultant Fee Estimate for Task 1: \$88,486</p>
Method/Procedure:



Last Update: January 9, 2018

Tasks
Please see pages 21-24 of attached " Proposal Detail.pdf " for a detailed description of each of the above subtasks.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
At the conclusion of task 1, the Stakeholder Group will have selected a preferred alternative, with a strong understanding of the level of effort and construction costs associated with implementing that alternative.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
The project team will provide a progress report to the CWCB with a status for each of this task's sub-tasks, design decisions made by the stakeholder group, and updates to the project schedule.

Tasks
Provide a detailed description of each task using the following format:
<u>Task 2 – Preliminary Design and Permitting of Preferred Alternatives</u>
Description of Task:
Task 2 will take the will take the preferred alternative through the preliminary design and permitting process including the following subtasks: <ul style="list-style-type: none">• Sub-task 1B - Project Management and Coordination - \$3,783• Sub-task 6 – Preliminary Design (Phase 2) - \$31,727<ul style="list-style-type: none">○ Preliminary Construction Plan Set• Sub-task 7 – Permitting (Phase 2) - \$14,264<ul style="list-style-type: none">○ US Army Corps (USACE) 404 permit○ Clean Water Act 401 Certification○ National Flood Insurance Program compliance
Total Consultant Fee Estimate for Task 2: \$49,774
Method/Procedure:



Last Update: January 9, 2018

Tasks
Please see pages 24-25 of attached " Proposal Detail.pdf " for a detailed description of each of the above subtasks.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
At the conclusion of task 2, the Stakeholder Group will have a preliminary plan set for the selected alternative, an updated and detailed construction cost estimate, and permits in hand from the US Army Corps of Engineers plus state and local permitting agencies.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
The project team will provide a progress report to the CWCB with a status for each of this task's sub-tasks, design decisions made by the stakeholder group, and updates to the project schedule

Tasks
Provide a detailed description of each task using the following format:
<u>Task 3 – Final Design, bid documents and contractor selection</u>
Description of Task:
Task 3 will take the project through final design, bid documents, and contractor selection including each of the following subtasks: <ul style="list-style-type: none">• Sub-task 1C - Project Management and Coordination - \$3,783• Sub-task 8 – Fundraising for Implementation (Phase 3) - \$7,290• Sub-task 9 – Final Design (Phase 3) - \$41,495<ul style="list-style-type: none">○ Construction Drawings○ Construction Specifications○ Operations, Maintenance, Repair, Replacement, and Rehabilitation (OMRRR)• Sub-task 10 – Bid Support (Phase 3) - \$8,475
Total Consultant Fee Estimate for Task 3: \$61,043
Method/Procedure:



Last Update: January 9, 2018

Tasks

Please see pages 25-26 of attached "[Proposal Detail.pdf](#)" for a detailed description of each of the above subtasks.

Grantee Deliverable: (Describe the deliverable the grantee expects from this task)

the conclusion of task 3, the Stakeholder Group will have a final set of construction documents, including plans and specifications and a contractor selected for construction.

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

The project team will provide a progress report to the CWCB with a status for each of this task's sub-tasks, design decisions made by the stakeholder group, and updates to the project schedule

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 excel format. A separate excel formatted 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:

- 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



Last Update: January 9, 2018

Reporting Requirements

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 entire 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 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: (Including all edit dates)****Water Activity Name: Crystal river restoration nd Weaver Ditch Efficiency Project****Grantee Name: Town of Carbondale**

Task No. ⁽¹⁾	Description	Start Date ⁽²⁾	End Date	Matching Funds (cash & in-kind) ⁽³⁾	WSRF Funds (Basin & Statewide combined) ⁽³⁾	Total
1	Data Collection and Analysis	5/1/2018	12/1/2018	\$81,586	\$6,900	\$88,486
2	Preliminary Design and Permitting of Preference	9/1/18	2/1/19	\$42,874	\$6,900	\$49,774
3	Final Design, Bid Documents and Contractor S	2/1/19	12/31/19	\$54,143	\$6,900	\$61,043
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
Total				\$178,603	\$20,700	\$199,303

(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.

- 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.

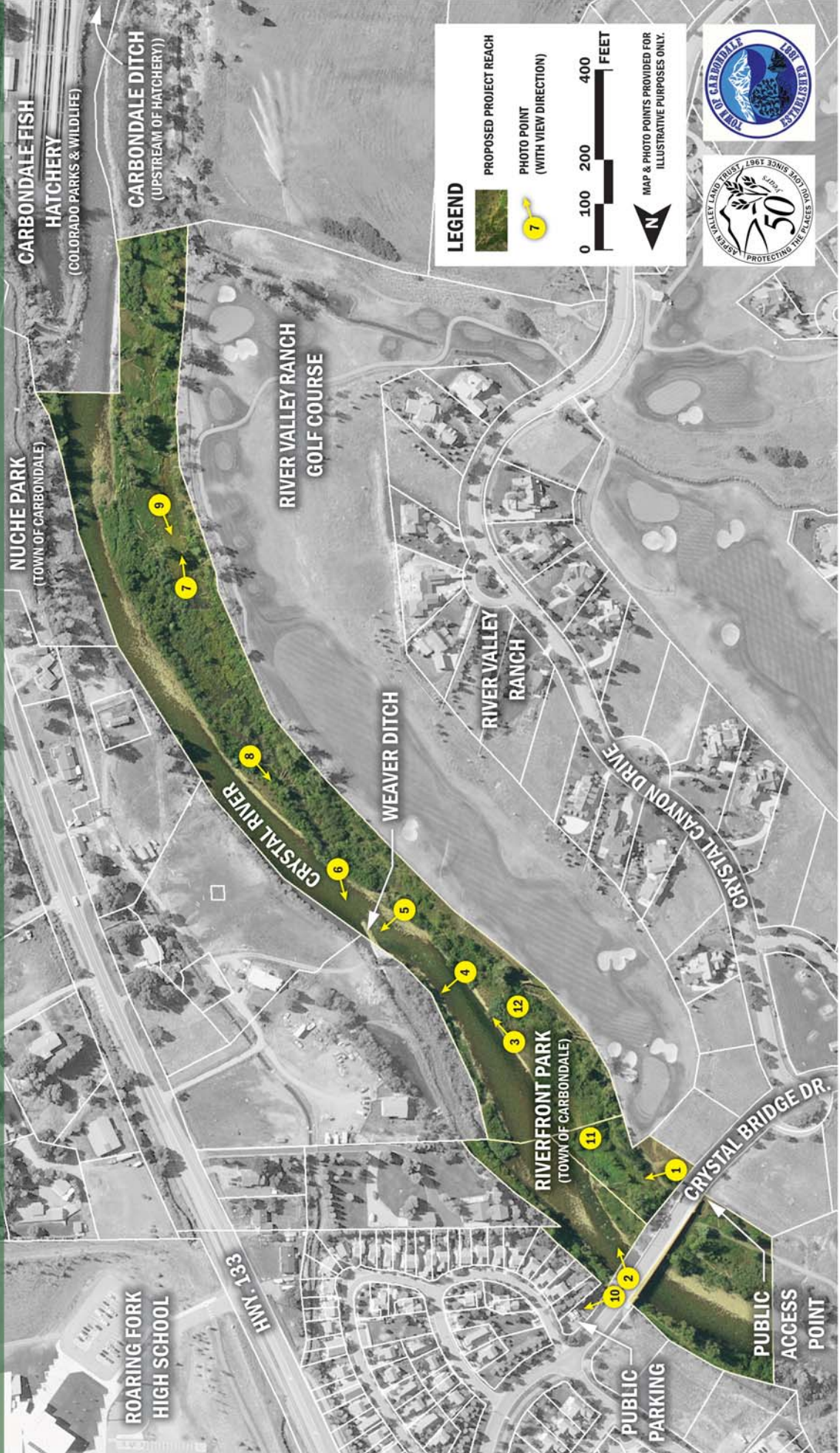
The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of the CWCB staff project manager. Once the Final Report has been accepted, the final payment has been issued, the water activity and purchase order (PO) or contract will be closed 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.

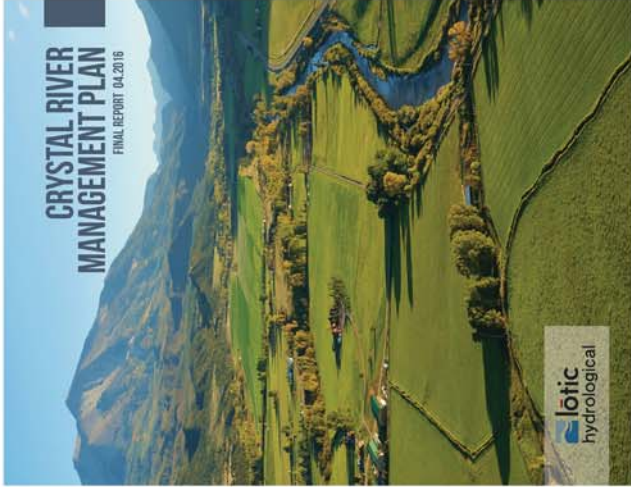
CRYSTAL RIVER RESTORATION & WEAVER DITCH EFFICIENCY PROJECT

PROPOSED PROJECT REACH



CRYSTAL RIVER RESTORATION & WEAVER DITCH IMPROVEMENT PROJECT

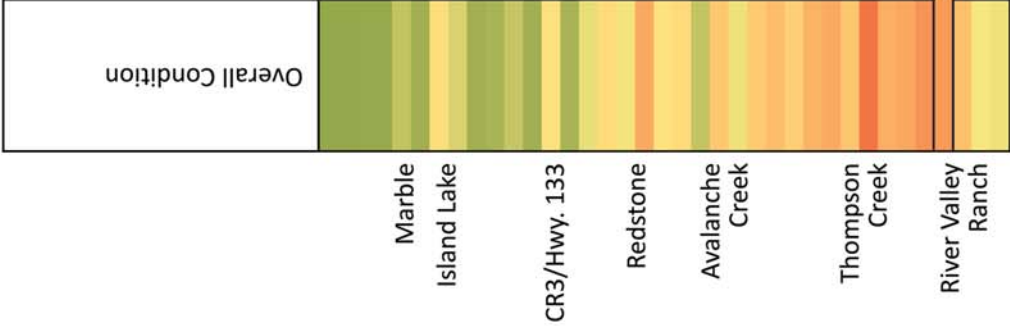
FUNCTIONAL CONDITION OF THE PROPOSED PROJECT REACH



DATA SOURCE:
The Crystal River Management Plan, prepared by Lotic Hydrological and published by the Roaring Fork Conservancy in April 2016.

Grade	Level of Impairment
	Negligible
	Mild
	Significant
	Severe
	Profound/Unsustainable

ENTIRE CRYSTAL RIVER



PROPOSED PROJECT REACH

Overall Condition	
Flow Regime	
Sediment Regime	
Water Quality	
Floodplain Connectivity	
Riparian Vegetation	
Debris Supply	
Morphology	
Stability	
Physical Structure	
Biotic Structure	

Crystal River Restoration & Weaver Ditch Efficiency Project

Existing Conditions Photos



Photo 1: Looking SE at the entrance to Riverfront Park



Photo 2: Looking S from Crystal Bridge Drive at the Riverfront Park project area



Photo 3: Looking S at degraded streambank condition typical of the project site



Photo 4: Looking NE at debris-covered riverbank



Photo 5: Looking E across the river at an existing diversion structure.



Photo 6: Looking NE across river at an existing diversion structure.

Crystal River Restoration & Weaver Ditch Efficiency Project

Existing Conditions Photos



Photo 7: Looking S across the disconnected floodplain. Covered in thistle and other weeds.



Photo 8: A coyote willow monoculture typical of disconnected floodplain area on the site.



Photo 9: Looking N across the disconnected floodplain. Invasive weeds.



Photo 10: Existing public parking area along Crystal Bridge Drive.



Photo 11: Existing stewardship/interpretive signage needing improvement.



Photo 12: Existing stewardship/interpretive signage needing improvement.