Eccles Creek Stream Reclamation

Project ID: 3352
Status: Pending Completed
Fiscal Year: 2016
Submitted By: N/A

Project Manager: Justin Hart
PM Agency: Utah Division of Wildlife Resources
PM Office: Southeastern Region
Lead: Utah Division of Wildlife Resources
WRI Region: Southeastern

Description:

An approximate 400 culvert pipe will be removed from an access road off of Highway 96. This culvert pipe contains the entire flow of Eccles Creek. The stream channel will be restored to a natural state.

Location:

This site is located on Eccles Creek, a tributary to Mud Creek and Scofield Reservoir. The project site is located along Highway 96 approximately 6 miles upstream from Scofield Reservoir.

PROJECT NEED

Need For Project:

In the early 1990's a culvert crossing was placed on Eccles Creek to allow mining and logging access to private property. This culvert crossing has nearly 30 feet of earthen overburden and contains 400 feet of Eccles Creek. The culvert pipe presents an impassable barrier to cutthroat trout. The upstream section of Eccles Creek is fishless. Removing this culvert pipe and restoring the natural stream channel will be aesthetically pleasing and provide approximately 1.5 miles of habitat for cutthroat trout. This newly connected stream segment will provide important spawning habitat and provide additional access for anglers.

Objectives:

To remove a 400 foot section of culvert pipe and restore the natural stream channel of Eccles Creek along Highway 96.

Threats / Risks:

Timing of this project will need to consider cutthroat trout spawning. Any work inside the stream channel will need to occur after September 1, 2015.

Relation To Management Plan:

This project will help help connect approximately 1.5 miles of fishless stream. It will aid the fishery in Eccles Creek, Mud Creek, and Scofield Reservoir and provide additional angling opportunity. Thus, it will address objectives within the Scofield Reservoir sport fish management plan. Removing the culvert pipe and restoring the natural stream channel will help reduce erosion from high velocity flows exiting the culvert pipe. Reducing erosion will help reduce phosphorus loading in Scofield Reservoir that has been identified in Scofield Reservoir TDML.

Fire / Fuels:

N/A

Water Quality/Quantity:

N/A

Compliance:

2 PMArchaeology, none needed, this project will occur on a previously disturbed site., Dec 18 2014 / 6 NEPA, None needed, this is private property on a previously distrubed site., Dec 18 2014

Methods:

This will be a cooperative project with the Division of Oil, Gas, and Mining (DOGM). DOGM has funds for a reclamation project on this parcel of private property. DOGM will remove the access road that connects Highway 96 to the private property and remove all the earthen overburden that exists on top of the culvert pipe and Eccles Creek. The Utah Division of Wildlife Resources will remove the section of culvert pipe and restore the natural stream channel. The stream channel is somewhat confined. Highway 96 is located on the north side of the creek, and steep terrain in located on the south side. Additionally, this stream section has a relatively steep gradient. Restoration will include providing as much stream meander as possible and creating a series of step pools with rocks and logs. This restoration plan will match the existing habitat type of Eccles Creek.

Monitoring:

Riparian seeding and willow transplants will be monitored over time by Regional DWR Aquatics employees.

Partners:

N/A

Future Management:

The project will be monitored over time to ensure vegetation from seeding and willow transplants is successful. Any structures (e.g., rock veins or log step structures) will be assessed for continued function and repaired if necessary.

Domestic Livestock Benefit:

N/A

BUDGET

WRI/DWR	Other	Budget Total	In-Kind Total	Grand Total
$12,000.00	$61,000.00	$73,000.00	$0.00	$73,000.00

Item	Description	WRI	Other	In-Kind	Year
Personal Services (permanent employee)	DWR Heavy equipment crew time and machine operation and fuel.	$12,000.0	$0.00	$0.00	2016
Contractual Services	DOGM funding to reclaim access road and remove earthen overburden on top of the Eccles Creek culvert pipe	$0.00	$61,000.0	$0.00	2016

FUNDING

WRI/DWR	Other	Funding Total	In-Kind Total	Grand Total
$12,000.00	$61,000.00	$73,000.00	$0.00	$73,000.00

Source	Phase	Description	Amount	Other	In-Kind	Year
Blue Ribbon (Restricted)	BRRF	N/A	$6,000.00	$0.00	$0.00	2016
Habitat Council Account	HCRF	N/A	$6,000.00	$0.00	$0.00	2016

Allocation	Percent of Total
Big Game	0%
Upland Game	0%
Waterfowl	0%
Sport Fish	100%
Nongame Fish	0%
Nongame Wildlife	0%

UDOGM	N/A	N/A	$0.00	$61,000.0	$0.00	2016

EXPENSE

WRI/DWR	Other	Expense Total	In-Kind Total	Grand Total
$12,000.00	$0.00	$12,000.00	$0.00	$12,000.00

Source	Phase	Description	Amount	Other	In-Kind	Year
Blue Ribbon (Restricted)	BRRF		$6,000.00	$0.00	$0.00	2016
Habitat Council Account	HCRF		$6,000.00	$0.00	$0.00	2016

Allocation	Percent of Total
Big Game	0%
Upland Game	0%
Waterfowl	0%
Sport Fish	100%
Nongame Fish	0%
Nongame Wildlife	0%

UDOGM	N/A	N/A	$0.00	$0.00	$0.00	

SPECIES

Species	"N" Rank	HIG/F Rank
Bonneville Cutthroat Trout	N4	1
Threat		Impact
No Threat		NA
Yellowstone Cutthroat Trout	N2	1
Threat		Impact
No Threat		NA
Rainbow Trout		5
Threat		Impact
No Threat		NA

HABITATS

PROJECT COMMENTS

Comment 12/18/2014 Type: Project Commenter N/A

Excavator

Comment 09/13/2016 Type: Admin Commenter Alison Whittaker

Please submit a completion report along with expenses and final features. Thanks!

COMPLETION

Start Date:

End Date:

FY Implemented:
2016

FY Completed:

Final Methods:
N/A

Project Narrative:
N/A

Future Management:
N/A

Map Features

ID	Feature Category	Action	Treatment/Type
905	Fish passage structure	N/A	N/A


905