

**SECURE RURAL SCHOOLS AND COMMUNITY SELF-DETERMINATION ACT OF 2000
PUBLIC LAW 110-343**

**TITLE II PROJECT SUBMISSION FORM
UINTA-WASATCH-CACHE NATIONAL FOREST ADVISORY COMMITTEE**

Project Number (Assigned by Designated Federal Official):	
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1. Fiscal Year(s) You are Requesting Funds (Check One or Both)		2016		
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2. Project Name	Logan Ranger District Beaver Reintroduction	3. County(s)	Cache
4. Project Sponsor	Forest Service (Paul Chase)	5. Date	07/08/2016
6. Sponsor's Phone Number	435-755-3620	7. Sponsors E-mail	pchase@fs.fed.us
8. Sponsor's Mailing Address	1500 e HWY 89 Logan, Ut 84321		

9. Forest Service Person Familiar With Project	Paul Chase
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10. Title II Funds Requested	11. Partner Contribution	12. Total Project Costs
\$4,000	\$	\$

13. Project Start Date:	08/01/2016	Project End Date:	10/31/2017
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14. Project Location [Sec. 203(b)(1)] (Legal description, road #'s, watershed, land ownership.)
Trail Hollow – Township 13 N, Range 3 E, Section 23. Watershed = Logan River. FS ownership Three Mile – Township 12 N, Range 1 W, Section 36. Watershed = Little Bear. FS ownership

15. Project Description [Sec. 203(b)(1)] (max 30 lines.)
<p>This project has two objectives: (1) install Beaver Dam Analogues (BDAs) at two locations (Three Mile Creek and Trail Hollow) where the landscape historically supported beavers and where beavers can provide future watershed habitat benefits; (2) translocate nuisance beavers from human conflict areas to BDA areas.</p> <p>Translocation of beaver colonies are needed to restore riparian areas in both Three Mile Creek and Trail Hollow. The Forest Service has been working for a number of years to repair these drainages such as fencing out areas, closing user created roads and trails, moving roads, and conducting extensive weed treatments. Despite these treatments, the two areas are still experiencing erosion and head cutting. Beavers are known to naturally restore damaged riparian areas and restore them quicker than the stream can do it. For these reasons we propose to install BDAs and translocate beaver colonies to these sites.</p> <p>Beaver dam analogues are built using untreated wooden posts and native material (branches, rocks, mud) to form a temporary dam. This provides reintroduced beaver some protection and encourages them to stay at the site and modify it for their needs. Construction would be completed using hand tools.</p>

16. Project Goals and Objectives (what the project will accomplish) [Sec. 203(b)(1)] (max 20 lines)
The goal is to reestablish beaver in two drainages that historically supported them and allow them to restore the streams/riparian areas. Once reintroduced, the beaver will reduce erosion (beaver dams capture sediment), expand riparian areas (beaver dams raise the water table), and improve wildlife habitat (expanding riparian areas support a more diverse plant community which encourages additional wildlife

species).

17. Coordination of this project with other related project(s) on adjacent lands?	Yes	X	No	
If yes, then describe: Project would relocate beaver from human conflict areas to the proposed project areas.				

18. How does proposed project meet purposes of the Legislation? [Sec. 203(b)(1)] (<i>check all that apply</i>)	
	Improves maintenance of existing infrastructure. [Sec. 2 (2)(A)(i)]
X	Implements stewardship objectives that enhance forest ecosystems. [Sec. 2 (2)(A)(ii)]
X	Restores and improves land health and water quality. [Sec. 2 (2)(A)(iii)]
	Improves cooperative relationships between people that use and care for Federal land and the agencies that manage Federal land [Sec. 2 (3)]

19. Project Type [Sec. 203(b)(1)] (<i>check one</i>)			
	Road Maintenance [Sec. 2 (2)(C)(i)]		Trail Maintenance [Sec. 2 (2)(C)(i)]
	Road Decommission/Obliteration [Sec. 2(2)(C)(i)]		Trail Obliteration [Sec. 2 (2)(C)(i)]
	Soil Productivity Improvement [Sec. 2 (2)(C)(ii)]		Forest Health Improvement [Sec. 2 (2)(C)(iii)]
X	Watershed Restoration & Maintenance. [Sec. 2 (2)(C)(iv)]		Fish Habitat Restoration [Sec. 2 (2)(C)(v)]
	Control of Noxious Weeds [Sec. 2 (2)(C)(vi)]	X	Wildlife Habitat Restoration [Sec. 2 (2)(C)(v)]
X	Reestablish Native Species [Sec. 2 (2)(C)(vii)]		Fuels Management/Prevention [Sec. 2 (2)(C)(iii)]
	Other Infrastructure Maintenance [Sec. 2 (2)(C)(i)]	X	Conservation Education [Sec. 2 (3)]
	Other Project Type [Sec. 2 (2)(C)]		(Specify)

20. Measure of Project Accomplishments/Expected Outcomes [Sec. 203(b)(5)]				
<i>a. Total Acres</i>		<i>b. Total Miles</i>	2 miles	<i>c. Number of Structures</i>
<i>d. No. Laborer Days</i>		<i>e. Estimated People Reached (for conservation education projects):</i>		
<i>f. Other (specify)</i>				

21. Merchantable Material Contracting Pilots [Sec. 204(e)(3)]				
<i>Will the project generate merchantable wood product</i>	Yes		No	X

22. Proposed Method(s) of Accomplishment (<i>check those that apply</i>)				
	Contract	X	Federal Workforce	Other (<i>specify below</i>)
	County Workforce	X	Volunteers	

23. Previous Title II Funding					
Title II Year	Request	Funding	Title II Year	Request	Funding
FY02			FY06		
FY03			FY07		
FY04			FY08		
FY05			Totals		

24. Budget Summary					
Budget Categories	Title II Funds Requested (1)	Other Contributions			Total Costs (5)
		Forest Service (2)	Cache Anglers (3)	Backcountry Horsemen (4)	
a. Personnel		\$5200	1,408	1,408	\$5200
b. Fringe benefits					
c. Travel					
d. Equipment	\$2500				\$2500
e. SEPA, NEPA & Sec. 7 ESA consultation		\$2600			\$2600
f. Permit acquisition	\$1000				\$1000
g. Materials & supplies	\$500				\$500
h. Project design & engineering		\$975			\$975
i. Contractual					
j. Monitoring		\$1950			\$1950
k. Other (specify)					
l. Other (specify)					
m. Other (specify)					
n. Other (specify)					
o. Indirect costs – Applicant/Partner					
p. Total	\$4000	\$10,725	\$1,408	\$1,408	\$17,541

Amount from Column 1, Item p desired by fiscal year

p. FY17 \$4,000		FY	
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You must attach a detailed cost worksheet to show additional information that supports the lump sum figures provided above which displays how you determined the cost figures above, e.g. Salary/Labor = hrs or days x rate; Travel = miles x rate or months x FOR rate, days x per diem rate; Equipment Use = hrs or days x rate; Supplies & Materials--list of items and estimated cost; Printing = estimated cost per item; Indirect Cost = Direct cost x current indirect rate.

This information is needed to substantiate your budget estimate. In addition, indicate if contributions are Cash=C or In-Kind= IK. If your project requires Forest Service resources, be sure they are included in the Title II funds requested.

Use the attached cost worksheet or one of your choosing as long as specific details are included.

25. Project Work Form		
List tasks and time frames necessary to complete your project. Show who will complete each task.		
Tasks	Time Frame	Who Will Complete Work
Acquire stream alteration permits	45 days before implementing project	Forest Service
Purchase trapping supplies	Spring 2017	Forest Service
Purchase dam analog materials	Spring 2017	Forest Service
Construct dam analogs	September	Forest Service and volunteers
Live trap beaver families	September/October	Forest Service
Monitor new beaver colonies	Monitor the two relocation sites three times each following implementation.	Forest Service

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<p>26. How will cooperative relationships between the people that use federal lands and the agencies that manage them be improved? List known partnerships or collaborative opportunities [Sec. 2 (3)]</p>
<p>A number of individuals and groups have already volunteered to assist with this project. Cache Anglers (Trout Unlimited) and Backcountry Horseman being the larger groups. In addition, USU will likely be participating in the monitoring. They have been modeling beaver relocation areas (identified these two relocation sites) and would like to see how the beaver respond in these areas. There will also be opportunities for Dedicated Hunters to participate.</p>
<p>27. How is this project in the best interest of the community? [Sec. 203 (b)(7)] Identify benefits to communities.</p>
<p>Project would relocate beaver from conflict areas to these sites which will reduce damage to the Forest Service's road system. Once reintroduced, the beaver will reduce erosion, expand riparian areas, improve wildlife habitat. The Forest Service plans on sharing this story with the public/local community through social media and videos. This will help get the message out on the beaver's role in watershed improvement.</p>
<p>28. How does project benefit federal lands/resources?</p>
<p>Will improve lands and watersheds managed by the USFS.</p>

29. Target Species Benefited (if applicable)	Beaver, elk, mule deer, turkey, Bonneville cutthroat trout
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30. Status of Project Planning [Sec. 204 (b)]
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a. NEPA* Analysis Complete?	Yes	<input checked="" type="checkbox"/>	No		<i>b. If no, give estimated date of completion</i>	
b. NOAA* Fisheries Sec. 7 ESA* Consultation Complete?	Yes		No		Not Applicable	<input checked="" type="checkbox"/>
c. USFWS* Sec. 7 ESA Consultation Complete?	Yes		No		Not Applicable	<input checked="" type="checkbox"/>
d. Survey & Manage Complete?	Yes	<input checked="" type="checkbox"/>	No		Not Applicable	
e. WDFW* Permits -Formal HPA* Complete -Covered under MOU* and WDFW* -Not Completed	Yes		No		Not Applicable	<input checked="" type="checkbox"/>
f. COE* 404 Fill/Removal Permit Obtained?	Yes		No	<input checked="" type="checkbox"/>	Not Applicable	
g. SHPO* Concurrence Received?	Yes	<input checked="" type="checkbox"/>	No		Not Applicable	
h. Project Design(s) Completed?	Yes	<input checked="" type="checkbox"/>	No			

**NEPA=National Environmental Policy Act, NOAA=National Oceanographic and Atmospheric Administration. ESA=Endangered Species Act, USFWS=United States Fish and Wildlife Service, WDFW=Washington Department of Fish and Wildlife HPA-Hydrologic Permit Approved, MOU-Memorandum of Understanding, COE=Army Corps of Engineers, SHPO = State Historic Preservation Officer*

31. Monitoring Plan [Sec. 203(b)(6)]

a. <i>How will the positive or negative impacts of the project be identified and tracked?</i> [Sec. 203 (b)(6)(A)]	
Monitoring will occur at sites beaver are removed from and also where they are relocated. Items to be monitored include: beaver colonies (successful reintroduction), riparian regeneration, and effects to head-cutting.	
<i>Who is responsible for this monitoring item?</i>	Forest Service
b. <i>How will the project be evaluated to determine how well the proposed project contributes towards local employment and/or training opportunities, including summer youth jobs programs such as the Youth Conservation Corps where appropriate?</i> [Sec. 203 (b)(6)(B)(i)]	
<i>Who is responsible for this monitoring item?</i>	
c. <i>If applicable, how will the project be evaluated to determine if the project improved the use of, or added value to, any products removed from the land?</i> [Sec. 203(b)(6)(B)(ii)]	
<i>Who is responsible for this monitoring item?</i>	
d. <i>Identify total funding needed to carry out specified monitoring tasks (Item k., Column D in Project Costs table)</i>	\$1950
<i>What are the sources for funding?</i>	Forest Service permanent employees salary

32. Accomplishment Reporting

Accomplishment information will be required at the close of a funded project. Project photos of before and after are encouraged.

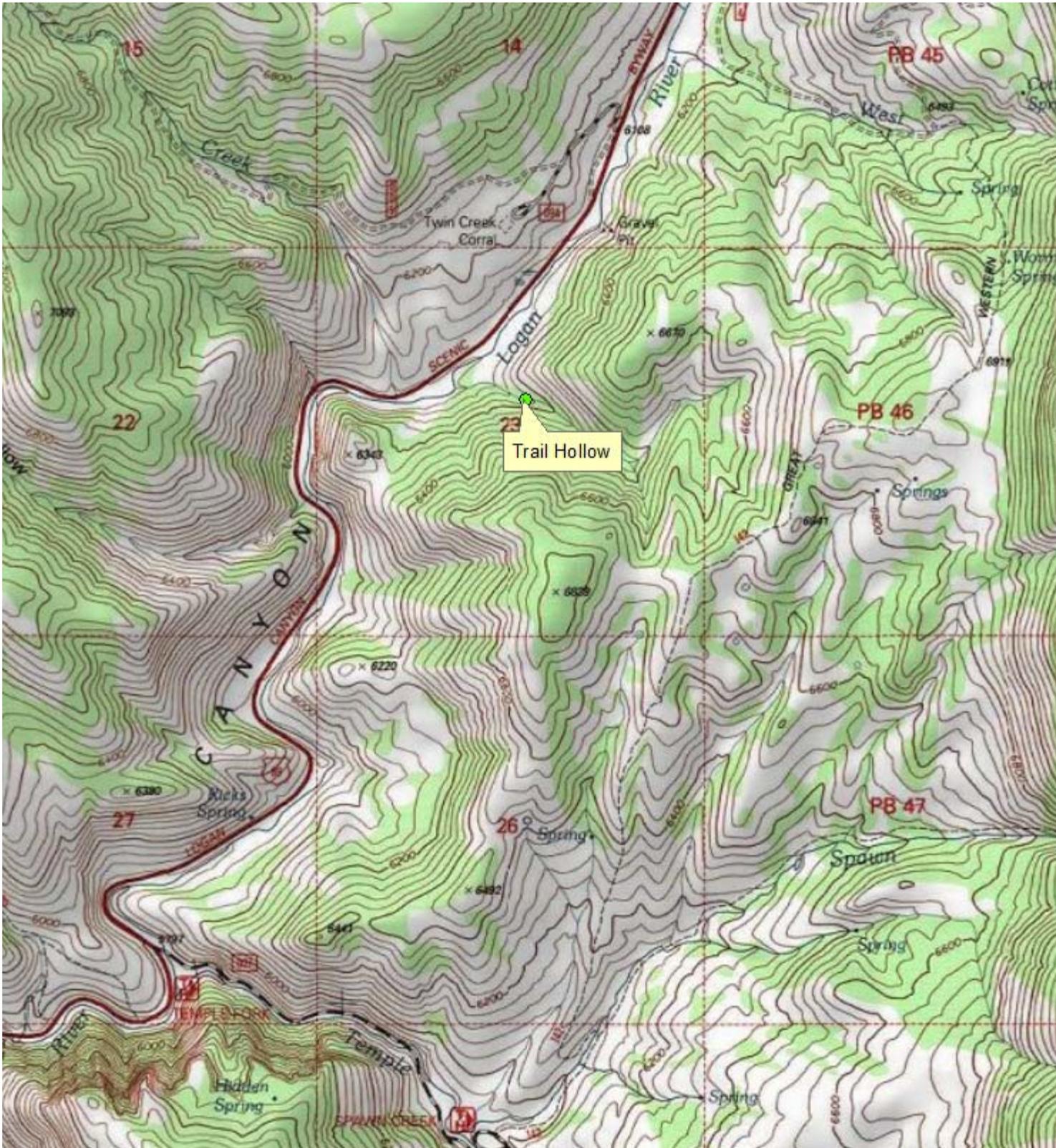
EXPANDED PROJECT BUDGET

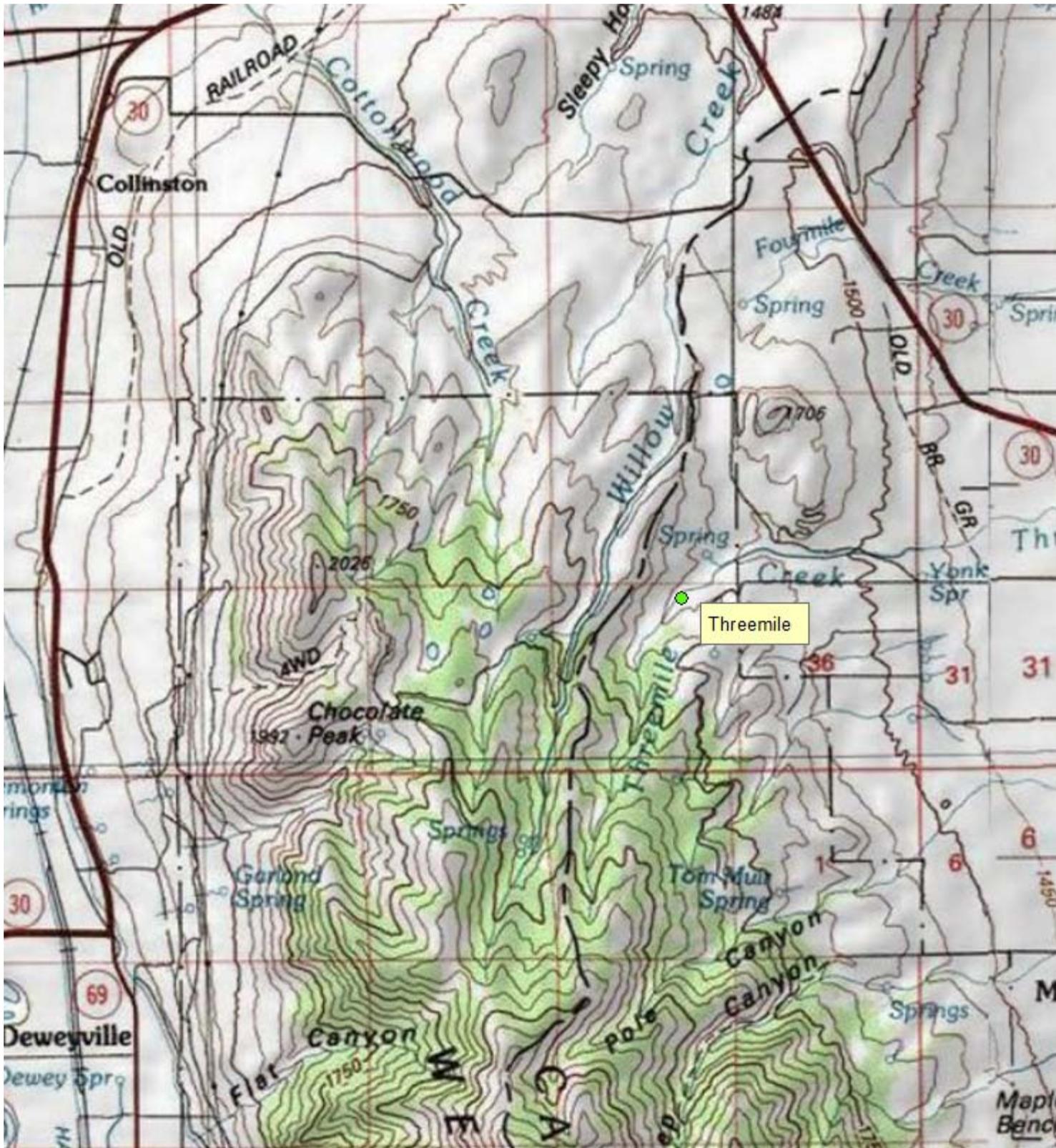
Other Contributions

Cost Category Description	Title II Funds Request	Forest Service	Volunteers		Total
a. Personnel					
Beaver Dam Analog Construction 6 days - \$325/day FS. 16 days volunteers		\$1950	\$2816		\$4766
<i>Beaver Capture and Relocation 10 days - \$325/day</i>		\$3250			
<i>Subtotal</i>		\$5200	\$2816		\$8016
b. Fringe Benefits					
<i>Subtotal</i>					
c. Travel					
<i>Subtotal</i>					
d. Equipment					
4 Live traps - \$500/each	\$2000				
1 catch pole \$150	\$150				
2 animal crates - \$100/each	\$200				
1 post pounder	\$90				
2 loppers - \$30/each	\$60				
<i>Subtotal</i>	\$2500				\$2500
e. SEPA, NEPA, & Sec.7 ESA consultation					
1 day each for 8 specialists with an average daily cost of \$325		\$2600			
<i>Subtotal</i>		\$2600			\$2600
f. Permit acquisition					
2 stream alteration permits - \$500/each	\$1000				
<i>Subtotal</i>	\$1000				\$1000
g. Materials and supplies					
25 ea – 8'x4" round posts at \$15/ea	\$375				
Fuel, oil, and chains for chainsaws	\$125				
<i>Subtotal</i>	\$500				\$500
h. Project design and engineering					
3 days - \$325/day		\$975			
<i>Subtotal</i>		\$975			\$975
i. Contractural					
<i>Subtotal</i>					

j. Monitoring					
6 days = \$325/day		\$1950			
<i>Subtotal</i>		\$1950			\$1950
k. Indirect costs – Applicant/Partner					
<i>Subtotal</i>					
l. Other (specify)					
<i>Subtotal</i>					
Project Total	\$4000	\$10725	\$2816		\$17541

Insert maps here







Example of Beaver Dam Analog that would be constructed.