

As part of its mission to protect and revitalize anadromous fish populations the California Fish Passage Forum (Forum) is seeking data from monitoring efforts following the remediation of anadromous fish barriers.

The Forum will use these data to help quantify the benefits of fish passage improvement in California.

Your participation is voluntary and will help advance fish passage efforts in the future. In the future, opportunities may exist for the Forum to highlight your organization's project (and its results) through its own channels, as well as those of its partner organizations.

If possible, please use the monitoring worksheet below to provide this information. While the use of the worksheet is requested, all post remediation data are appreciated for this effort, including informal observations.

The Forum is particularly interested in presence/absence data and abundance data for target species both before and after barrier remediation.

Thank you for your assistance in this effort.



California Fish Passage Forum

Fish Passage Barrier Removal Monitoring Worksheet

A	General Info	General Info							
		Barrier name and GPS Coordinates						Lead organization	
		Monitoring Contact			Ph	Phone Email			
	PRE-IMPLEMENTATION		ON		POST-IN	1PLE	MENTA	NOITA	
B	Project Timing	Anticipated Start Date	Anticipated End Da	te		Construction Start D	ate:	Construction E	End Date:
0	Basic information	Date final project design was completed: Design of this project is part of the project objectives Anticipated stream miles restored: 16 miles			Actual stream miles re	estored		16.1miles	
		Description of barrier: This diversion to be screened for this project is on Long Creek and impedes safe passage to migratory life histories of native fishes including bull trout, redband trout, and future Chinook salmon and steelhead. Landowner: The Nature Conservacy leases this property from the NRCS under an easement. The property is called the Sycan Marsh Preserve. The landowner that diverts the water is Dr. Martin Pernoll				Verification methods:			
D	Site"Passability"	Describe the following physical parameters of the project				Describe the as-built	t paramete	rs at the site.	
		Channel Width in Project Area:				Channel Widtl	n in Projec	ct Area:	
		Baseline 4.5ft.			As-Built Condition ft.				
		Target Range	4 ft to	5.5 ft.					
		Channel Slope / Gradient in Project Area:			Channel Slope / Gradient in Project Area:				
		Baseline			As-Built Overall Slope %				
		Target Range			As-Built Maximum Channel Slope %				
		Maximum Channel Slope							
		Maximum Jump Height:				Maximum Jump Height:			
		Baseline 8in.			As-Built Condition in.				
		Target Range	5 to	12in.					
	Does the project design meet regionally appropriate fish Yes No passage criteria?			Does the as-bu fall withinthe ta listed at left?			Yes No		
		Provide reference sources used to develop target ranges.			Comments				
		NRCS Oregon Stream Barb Theory, Evaluation and Design							

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	PRE-IMPLEMENTATION	POST-IMPLEMENTATION			
Presence of Target Fish Species	What is the upstream status of the target diadromous fish species? Note that target species is passage limited? List other fish species that will benefit and their pre-project status: Note that the species is passage limited? Note that the species is passage limited? Note that the species is passage limited? Note that is pre-project status: Note that the species is passage limited? Note that the speci	What is the upstream status of thetarget diadromous fish species? (This may be reported annually from 1-5 years post-implementation.) Which life stages, if any, have been observed upstream? Adult Juvenile List other fish species and their post-project status: Species: Present Absent Present Absent Describe the methodology used to determine presence/absence of the target species. How often does monitoring occur at the project site? What is the lead organization for monitoring?			
Target Species Abundance	Estimated target species abundance below barrier: Chinook - 0 Steelhead - 0 Redband trout - 2,000 Bull Trout - 0 Estimated target species abundance above barrier: Chinook - 0 Steelhead - 0 Redband - 200 Bull Trout 892 Date of estimates: 2005	Estimated target species abundance below project site Estimated target species abundance above project site Date of estimates:			
G Plans	Is this barrier mentioned in any species recovery plans, watershed restoration plans, or other approved plans? If yes, what plans? This barrier is not specifically identified in any species recovery plan, but removal or screening of diversions is an objective of the Sycan Core Population in the Klamath Recovery Unit Implementation Plan for Bull Trout				

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		PRE-IMPLEMENTATION	POST-IMPLEMENTATION					
D	Operating and Maintenance Costs	Will the barrier removal result in reduced annual operating, maintenance and/or liability costs at the site? What is the estimated average annual operating, maintenance, and/or liability cost over the next five-year period if the barrier were to remain in place? Yes No No	What is the estimated average annual operating, maintenance, and / or liability cost over the next five-year period without the barrier in place? /year What is the annual average change in cost? (This will auto-fill) /year					
D	Public Safety	Will the barrier removal eliminate or diminish a documented safety hazard? Yes No If yes, please describe.	Did the barrier removal eliminate or diminish a documented safety hazard? Yes No					
D	Additional Project Monitoring (if applicable)	Please indicate if any additional monitoring activities will be conducted at the project site. No additional monitoring Juvenile surveys Outmigranttrapping Spawner surveys Topographic channel surveys Habitat evaluation Photopoints Other If yes, please describe. Wherever possible, please include information on methodology used, as well as baseline and target conditions. Monitoring of the diversion will include electrofishing and PIT tag arrays that will detect any tagged fish that bypassed the screen, indicating failure.	If additional monitoring studies were completed, please describe post-implementation conditions. Is there anything else notable associated with this project, for example, community engagement events, volunteer activities, education and outreach activities?					