				Cent	
	Restorat Oregon	Exhib ion and Enh DEPARTMENT	it C ancement Program of Fish & Wildlife	9/9/05	
ENALACINE EVIENT protecting Gregor's Investment	Project Completion Report				
Project Number: Project Title: Project Manager: Address: City/Zip: Phone: Location: Stream, Lake or Est River System County: Township/Range/Set Landowner (list atl land ML+ r0	$\frac{03 - 06}{5mith - By}$ $\frac{Elaine}{600 NE}$ $\frac{Por + lan}{503 - 7}$ tuary: $\frac{5mith}{Colum}$ $\frac{Mult}{2N}$ downers of property where	0 bec Water Stewart, M Grand Av d, OR 9 77-1515 4 Bybee L bia Slough homah / IE & IW / e the work was done):	Control Structu Letro Parks & Gre +232-27-36 akes (Willomette Sys -36	re Refinements enspaces	
Type of Project (check all	that apply):	1	Enhancoment	<u> </u>	
Liberation Equip Hatchery Maint Passage Maint Screen Maint. Other	pment 	Access Education Propagation Monitoring Research	Habitat Habitat Passage Screening Other:		
Date Completed: Expenditures: R&E Funds Used: Matching Dollars Us Equipment and Sup	rider the Samon Fall sed: <u>\$ 17</u> plies (list all equipment <u>Manufactu</u>	000 000 500 8 supplies purchased w	- (attach summary report for Dep (attach summary report for othe ith R&E funds; attach additional sheets	NO , artment funds) er funds) s as needed):	
Participation (list organization Metro	ons that participated in th	nis project):			
Total Stream Miles Influ Fish Species Benefited Project Accomplishme	Jenced: <u>n</u> : <u>Coho</u> nts & Comments	ノる 、CUINOOK、 (attach additional sheet:	Steelhead s as needed):		
Is the project site adeq Are before and after ph	uately identified I otos of the comp	by R&E signs? leted project att	YES NO		
· Send Report to: R&	E Program, ODFW,	3406 Cherry Avenu	ie, Salem, OR 97303		

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The Oregon Watershed Restoration Reporting Form 2003

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TRATE DA COA CE Improvements
Section F: FISH PASSAGE Improvements
Instructions: This Section should be used for all Fish Passage Improvement projects that address a migration barrier projects of habitat
report projects that provide both juvenile and adult passage. Answer questions about permits, target rish species, fines of the project species and fill in values that apply. If project
made accessible, and cost. Under 'Project Activities', check each appropriate activity ook and the location of the fish passage project.
activity is not listed, describe it under "Other activities". Mark and laber clearly on a single control of a single control o
DSL Permit Number: 25189-GA or ODF Notification Number:
FISH PASSAGE INFORMATION
1. Target Fish Species: Acono Esteemeau Achimotric Contention Contenti Contention Contention Conten
2. Have the target fish species historically inhabited the area upstream of the barrier(s)? X [Yes []No
3 Fish habitat extended due to this fish passage project (If you do not have this information, consult local ODFW office)
miles of habitat opened that were previously <i>inaccessible</i> for both adults and juveniles
miles of habitat opened that were previously <i>inaccessible</i> for juveniles, <i>accessible</i> for adults
1 500 aC emiles of habitat that were previously accessible for both juveniles and adults- access was improved
$4 \text{ COST: } Cash \$ 25,500 \# Inkind \$ \frac{\$7,000}{\$(\$8,000 R \$ E)}$
T. CODI. Cusht
PROJECT ACTIVITIES
1. 🗆 Road/Stream Crossings Improved for Juvenile and Adult Fish Passage
a) # of culverts/structures removed and not replaced
b) # of culverts/structures replaced with bridge
c) # of culverts/structures replaced with open bottom arch culverts
d) # of culverts/structures replaced with culverts placed embedded or flat
e) # of culverts/structures replaced with weir/baffle culverts
f) # of culverts/structures retrofitted [e.g., adding roughness (weirs, baffles, etc.) into existing culverts]
g) # of culverts with rock or log weirs installed below outlet
TOTAL # of Road/Stream Crossings Improved for Fish Passage (Do Not Double Count!)
2 M Other Fish Passage Improvements (fish ladders, tidegate replacements, push-up dams retired, etc.)
2. A Other Fish I assage improvements (the induced of a side channel access
a)# of curvers/surverues installed
b)# of figh ladders improved
c)# of much up dome permanently removed: replaced with
d)# of push-up dating permanently tentered, replaced that
e)# of impation diversions with non-solecons instance
t)# of modified with (type of modification) frash recks
(type of aiversion) (type of aiversion)
3. Additional Details: Grown reproductive contract of the
insules colquare frow. Insulation han stores
structure from aumuge union of the
4. Other Activities:



Operations and Maintenance Plan Smith-Bybee fish passage structure

Overview

The fishway provides access to Smith-Bybee wetlands for juvenile coho, Chinook and steelhead. Adult salmonids do not use this habitat. Juveniles are expected to use the wetlands between November and June annually, depending on water levels in the wetlands. The full water control structure is managed to impound water in the wetlands during winter and spring, and slowly draw down the wetlands in summer. The fishway is managed to remain accessible to salmonids at all times. As the property owner and site manager, Metro is responsible for all management activities.

Specific tasks

Fall/winter – Incrementally install boards in the fishway as water levels rise. Maintain positive flow of at least 1 inch over boards at all times. The fishway is designed for appropriate flow rates as long as the proper number of boards is installed. If more than 6 inches is flowing over the highest board, install an additional set of boards in the next slot. Install trash racks if they were removed for the summer.

Winter/spring – Monitor the fishway at least once per week to verify appropriate flow and fish. passage. If storms or releases of water from upstream dams bring additional water, continue adding boards to maintain desired flow and capture water in the wetlands.

Late spring --- When North Slough water levels fall, after the customary high levels during Rose Festival to pass military ships into Portland, begin the drawdown process. This is typically the second week in June. Earlier drawdown is counter-productive, since upstream releases to pass ships will simply bring water back into the wetlands. Remove top boards from all bays of the water control structure. This creates stronger flow through the structure which may stimulate movement of any remaining salmonids in the wetlands, however, it should be noted that salmonids are not expected to remain in the wetlands after mid-May.

Spring/summer – Continue drawing down the wetlands at a rate of 1 board (approximately 6 inches) per week. Monitor the fishway for appropriate flow and remove boards more frequently as needed.

Summer/fall – Leave the structure open to tidal flow. Perform annual maintenance tasks, including cleaning slots in the fishway of debris, examining boards for damage and replacing as necessary, and other tasks. Remove trash racks if desired.

Elaine Stewart, Metro; September 2005



Contractors install rails for trash racks. The racks weigh about 900 lb. apiece and were installed with a crane.



The trash racks are in place in this photo. The excavator is removing material from above the seam that required concrete grout reinforcement. The fishway is in the left bay.