DIVISION OF STATE LANDS FISH HABITAT ENHANCEMENT GENERAL AUTHORIZATION FORM

APPLICATIO		(DSL will assign)	
. APPLICANT (conducting the Work) Metro	o – Smith and Bybee L	akes Wildlife Area	
Address 600 NE Grand Ave	Contact Person	Elaine Stewart	•••
Portland, OR 97232-2736	Phone Number	503-797-1515	·
. TYPE OF PROJECT	NUMBER	@ CUBIC YARDS EACH	TOTAL CUBIC YARDS
Fish Rocks			
Deflectors			
Fish Passage (Check Dams/Weirs)	1	698	698
Gravel Blanket	1	179	179
Pool/Pond Construction			
Barrier Removal (Culvert/Tidegates)	1	1068	1068
Woody Material			
Channel Construction (Back/Sidechannel)			****
For alcove or off-channel pond construction grading plan or cross-section showing the sl work. PROJECT LOCATION: (Attach a legible)	lope of the proposed	map or aerial photograph th	nat shows the project
location)			
(Driving Directions) Columbia Blvd. 4.5 mile	es west of I-5 in Portlar	nd, OR; access via St. Johns	Landfill.
Name of Stream North Slough (tributary o	of Columbia Slough)	River Mile <u>1 (Col. Slough)</u>	Project Length 73 ft.
Drainage Basin Willamette River	(County Multnomah	
Township 2N Range 1W &	& 1E Section	36	
ODFW REVIEW: I have evaluated the a impact to aquatic resource values. The	bove project and fine recommended in-wa	d it will be constructed in a	a way that minimizes
June 15 to September 15	ODDW Biologis	t Signature	3 7 02 Date
certify that I will complete the project according the following that I will complete the project according to the following that I will be seen t		And -	

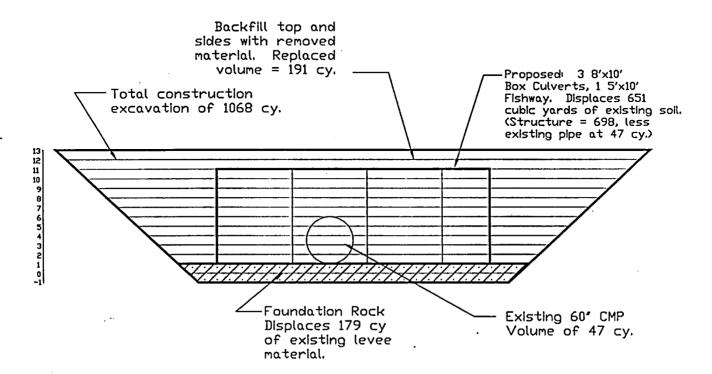
Project Description

The purpose of this project is to remove an existing dam and tidegate system that has isolated Smith and Bybee lakes from the North Slough and Columbia Slough. This blockage transformed nearly 2,000 acres of seasonal emergent and forested wetlands into permanent lakes. The new structure will enhance the historic functions and values of Smith and Bybee lakes and provide fish access to and passage from these valuable rearing habitats.

The project includes the removal of the existing dam and tidegate (1,068 cubic yards of material including pipe) and the installation of 4 box culverts (889 cubic yards including compacted fill). Material removed from the channel will be disposed of in an approved upland site (with the exception of 191 cubic yards that will be used to backfill the new box culverts). The box culverts will be designed to include stoplog channels to facilitate adaptive wetland management during spring months. One of the box culverts will be a 5-foot wide pool-chute style fishway to provide fish passage during periods of water management.

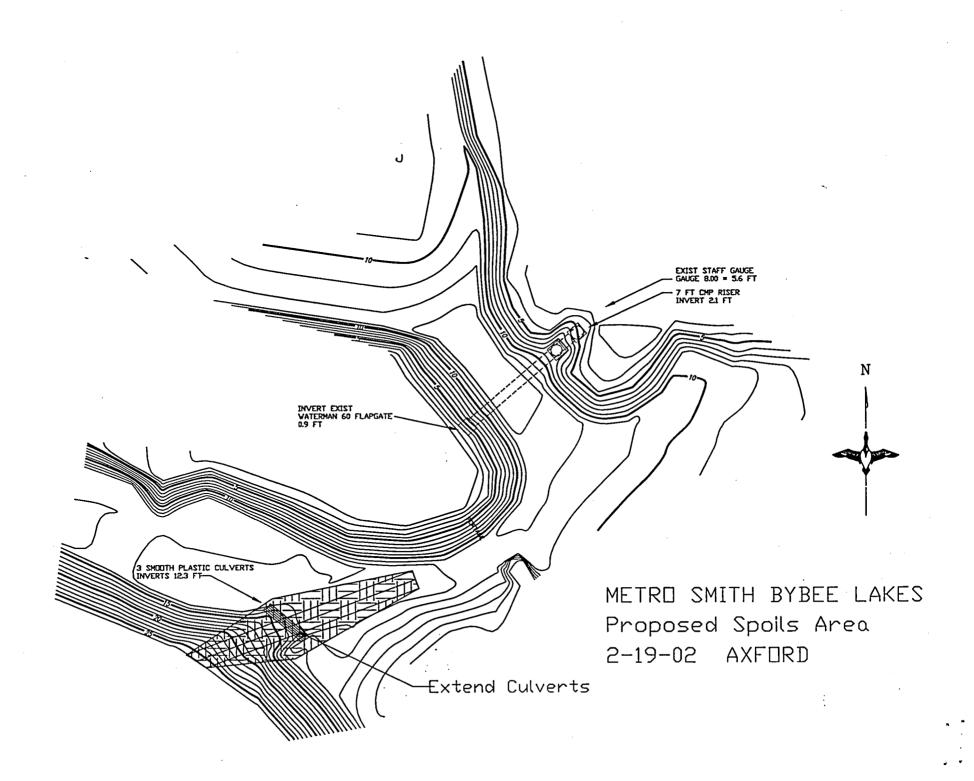


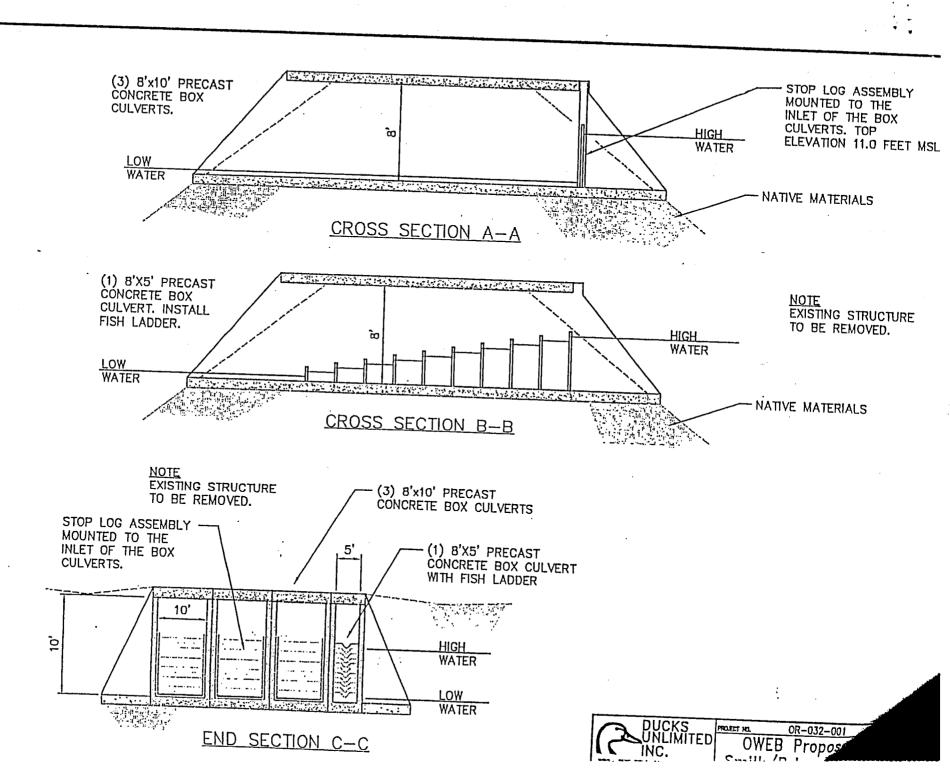
Smith and Bybee Lakes Restoration Plan Map Project Area SMITH Portland **New Water Control Structure/Connection** to North Slough and Columbia Slough Columbia Slough **North Slough**

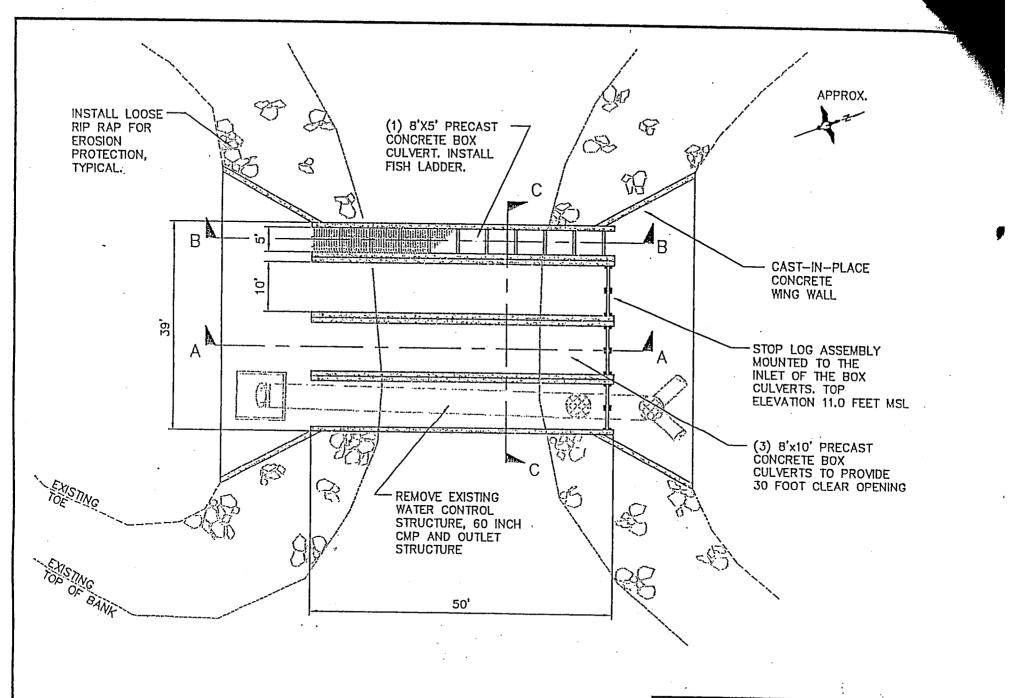


Material Balance: Total excavation: 1115 cy - 47 cy (ex. pipe) = 1068 cy Backfill: 1068 - 698 (structure) - 179 (rock) = 191 cy 877 cy balance as spoil

Smith Bybee Structure Replacement Estimated Volumes 2-19-02 Axford







DUCKS	PROJECT NO.	OR-032	-001	DESIGNED BY	
ÜNLİMİTED	OW	EB Prop	osal	DOWN BY:	kı
WRO- PHY HELD OFFICE	Smith	1/Bybee		SURVEYED BY	- 51
MIR 4 /DD /DD (SEET NO.	I Property			CHECKED BY.	<u>U)</u>



March 8, 2002

Mr. Kirk Jarvie State of Oregon Division of State Lands 775 Summer Street NE, Suite 100 Salem, OR 97301-1279

RE: Division of State Lands General Authorization application for Fish Habitat Enhancement at Smith and Bybee Lakes Wildlife Area

Dear Mr. Jarvie:

Enclosed is a Division of State Lands (DSL) General Authorization for Fish Habitat Enhancement application for a new water control structure at Smith and Bybee Lakes Wildlife Area in Portland, Oregon. Metro Regional Parks and Greenspaces and Ducks Unlimited prepared the application and drawings. A Biological Assessment (BA) has been prepared and submitted to NMFS by the U.S. Fish and Wildlife Service. For more information on the BA, please contact Pat Oman at NMFS (503) 231-2313 or Chuck Lobdell at Ducks Unlimited (360-885-2011).

A joint permit application has been submitted to the Army Corps of Engineers.

Metro looks forward to working with DSL on this valuable habitat restoration project. Feel free to contact me at (503) 797-1515 if you require additional information or have questions.

Sincerely,

Elaine Stewart

Smith and Bybee Lakes Wildlife Area Manager

Regional Parks and Greenspaces

cc: Charles Ciecko, Metro

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Enc.