

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 13-8081

Exam Dates: 10/11/24

Accompanied by: Jeremy Jirak, USFWS

1. Current Owner:

US DEPT OF INTERIOR
FISH & WILDLIFE SERVICE
911 NE 11TH AVE
PORTLAND OR 97232-4181

2. **SOURCE:** OXFORD SLOUGH

TRIBUTARY: DEEP CREEK

B. OVERLAP REVIEW

1. Place of Use: No overlapping rights
2. Point of Diversion: No overlapping rights

C. DIVERSION AND DELIVERY SYSTEM

A small 4ft earthen dike impounds additional water for a natural wetland at Oxford Slough.



1. POINT OF DIVERSION:

OXFORD SLOUGH L10(NE¼ NW¼), Sec. 2, Twp 14S, Rge 38E, B.M. FRANKLIN County

Method of Determination: Site inspection, GPS

2. PLACE OF USE: WILDLIFE STORAGE

Twp	Rng	Sec	NE				NW				SW				SE				Total s
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
13S	38E	19	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	
Lot	#								11			10	9	8			7	7	
14S	38E	3	X																
Lot	#		9																
13S	38E	27			X	X				X	X			X	X	X	X	X	
Lot	#				2	1					6			5	8	7			
13S	38E	27				X					X					X			
Lot	#					8					3					2			
13S	38E	35					X	X	X		X	X	X	X					
14S	38E	2					X	X											
Lot	#						10	11											
13S	38E	26							X	X	X	X	X	X					
Lot	#								3		2	4		5					
13S	38E	26							X		X	X		X					
Lot	#								4		4	2		1					

Method of Determination: Site inspection. Aerial imagery.

F. VOLUME CALCULATIONS

Volume was calculated using LiDAR data found in the application for permit.

The elevation of the bottom of the wetland, the base of the outflow culvert, and the reference zero height for the staff gage is 4742 ft above sea level. The maximum watermark on the staff gage is 3.5 feet from zero, or elevation 4745.5, the maximum permitted elevation.

From LiDAR data in the application.

637 acres at 1 foot depth = 637 acre feet

162 acres at 2 foot depth = 324 acre feet

52 acres at 3 foot depth = 156 acre feet

Total volume calculated = 1117 acre feet.

Volume was rounded up to 1200 by the applicant to account for depths over 3 feet, as the maximum reservoir depth is 3.5 feet (4745.5-4742). This volume approximation seems reasonable, and this is likely the best possible estimate of the true reservoir volume.

G. NARRATIVE/REMARKS/COMMENTS

The construction of the dike impoundment matches descriptions in the plans. The outlet works are the main outflow culvert with the staff gage and pressure transducer data logger, another culvert to the west, and a constructed rock overflow berm to prevent overtopping of the dike.

The GIS area of the constructed wetland storage is 851 acres. The maximum total surface area of the reservoir is conditioned at 836 acres. This is a 1.7% discrepancy, and is likely not significant.

The measuring device and data loggers were observed to be accurate and sufficient to record the level of water in the reservoir over time and at a given moment. Wooden boards were observed at both outflow culverts and were capable of impounding and releasing water according to the permit conditions.

The maximum level of the staff gage was recorded during 2023 and the reservoir filled to its maximum level of 4745.5 ft during this abnormally high water year.

Rock overflow structure

Staff gage measuring device+ attached data logger



West Outflow Culvert

330°NW (T) 42.238472°N, 111.989833°W ±16ft ▲ 4749ft



Main Culvert

227°SW (T) 42.238499°N, 111.989839°W ±16ft ▲ 4751ft



Water level regulating boards

122°SE (T) 42.238542°N, 111.985879°W ±16ft ▲ 4729ft



Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
WILDLIFE STORAGE	01/01 to 12/31		1,200 AF

Totals: 1,200 AF

2. Recommended Amendments

<u> </u> Change P.D. as reflected above	<u> </u> Add P.D. as reflected above	<u> X </u> None
<u> </u> Change P.U. as reflected above	<u> </u> Add P.U. as reflected above	<u> X </u> None

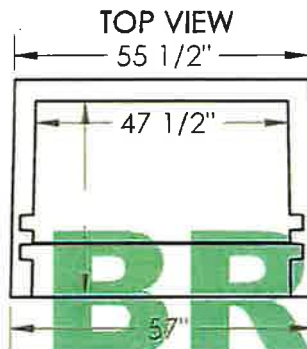
I. AUTHENTICATION Christian Stewart, IDWR Water Resource Agent

Field Examiner's Signature Christian J Stewart

Date 10/16/2024

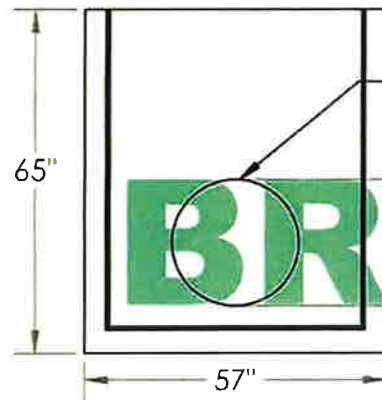
2

1



2" BOARD TRACKS

FRONT VIEW

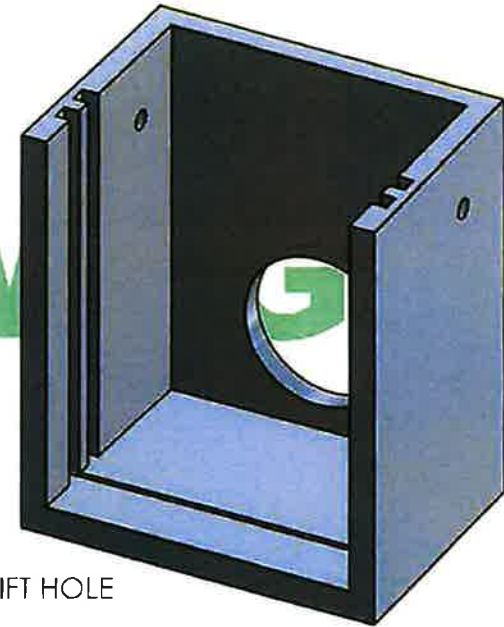
OPTIONAL
VOID OR PIPE

SIDE VIEW



3" LIFT HOLE

4" WALL



UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES

TOLERANCES:

FRACTIONAL ±

ANGULAR: MACH ± BEND ±

TWO PLACE DECIMAL ±

THREE PLACE DECIMAL ±

INTERPRET GEOMETRIC

TOLERANCING PER:

MATERIAL

FINISH

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:

NAME

DATE

JANE F

****USFWS Note: the weirs installed for the subject project were 4-ft wide x 4-ft high instead of 4x5.****

TITLE:

TWIN TRACK™ WEIR 4X5

SIZE DWG. NO.

A TT45

REV

SCALE: 1:25 WEIGHT:

SHEET 1 OF 1

PROPRIETARY AND CONFIDENTIAL

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530-934-2663

NEXT ASSY

USED ON

APPLICATION

DO NOT SCALE DRAWING



Photo 1. Installation of 4-ft wide concrete flashboard riser that functions as the water control structure at one of two points of diversion. This is the easternmost of the two points of diversion and is similar to the one located at the westernmost point of diversion.
(Photo taken on 09/20/2022 by Steve Pilson, USFWS)



Photo 2. After installation of the 4 ft-wide concrete flashboard riser that functions as the water control structure at the eastern point of diversion. (Photo taken on 09/20/2022 by Steve Pilson, USFWS)



Photo 3. Internal view of 4-ft wide flashboard riser after installation. (Photo taken on 09/20/2022 by Steve Pilson, USFWS)



Photo 4. Staff gage in pool adjacent to the eastern point of diversion. A water level logger deployed in the small pipe mounted to the 2x6 wooden board records the water surface elevation of the water stored in Oxford Slough behind the dam.

(Photo taken on 9/25/23 by Jeremy Jirak, USFWS)



Photo 5. View looking north from the eastern point of diversion towards the permitted place of use.

(Photo taken on 9/25/23 by Jeremy Jirak, USFWS)



Photo 6. View looking east from the eastern point of diversion from the road atop the 4.5 high, 550-ft long dike that functions as the dam that stores water in the place of use. (Photo taken on 9/25/23 by Jeremy Jirak, USFWS)

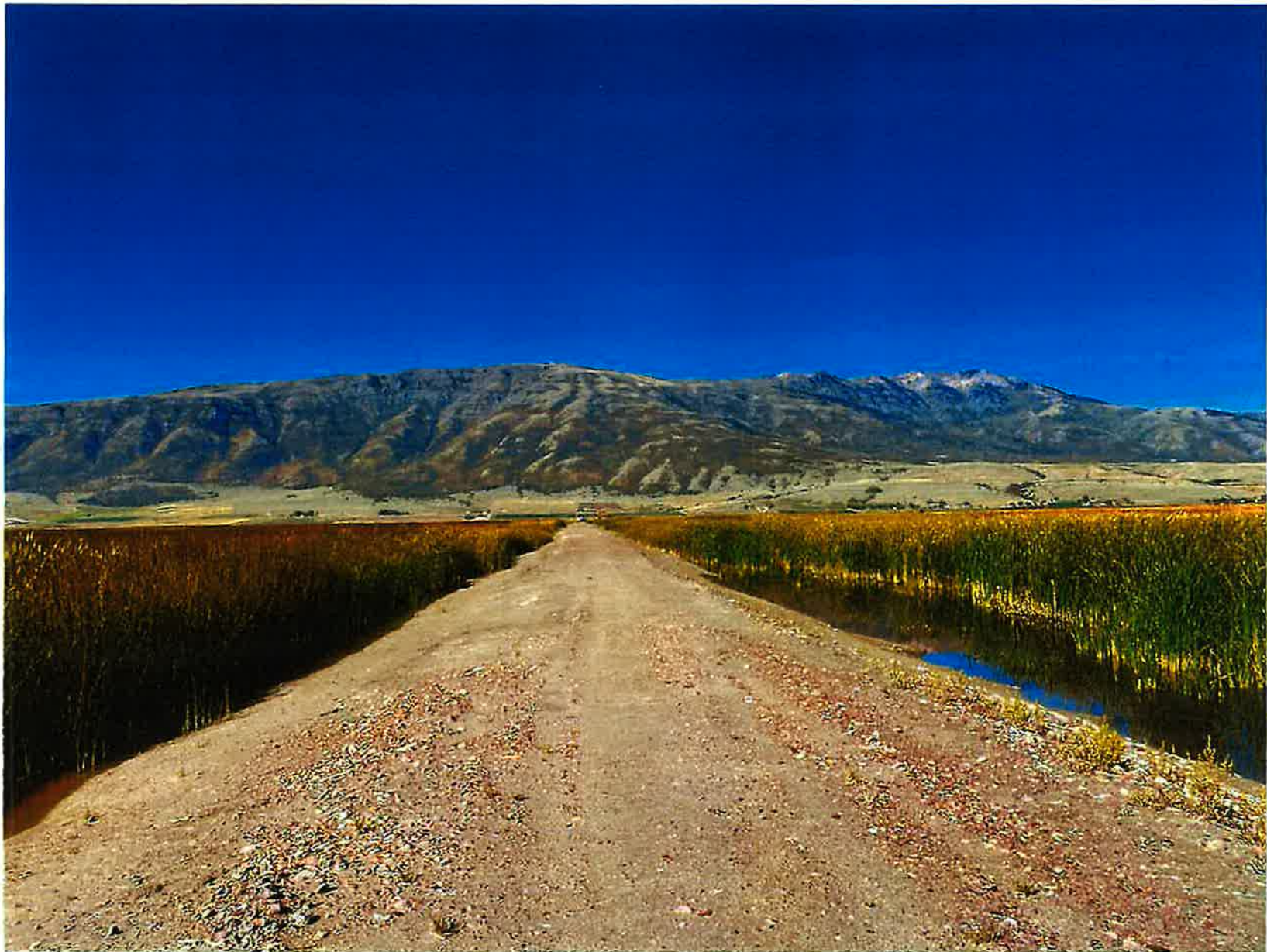


Photo 7. View looking west from the eastern point of diversion from the road atop the 4.5 high, 550-ft long dike that functions as the dam that stores water in the place of use. (Photo taken on 9/25/23 by Jeremy Jirak, USFWS)



Photo 8. View looking north from the eastern point of diversion demonstrating beneficial use of water in the permitted place of use.
(Photo taken on 4/25/23 by Jeremy Jirak, USFWS)



Photo 9. View looking northwest from a boat in the middle of the slough near bird colony nesting locations. The photo shows birds within the habitat developed with water resources consistent with the permitted purpose of use, wildlife storage.
(Photo taken on 4/25/23 by Jeremy Jirak, USFWS)



United States Department of the Interior

FISH AND WILDLIFE SERVICE
911 NE 11th Avenue
Portland, Oregon 97232-4181



In Reply Refer to:
FWS/R1/ABA-EN

RECEIVED

APR 30 2024

DEPT. OF WATER RESOURCES

April 26, 2024

Idaho Department of Water Resources
Idaho Water Center
322 East Front Street, Suite 648
Boise, ID 83702-7371

Subject: Permit 13-8081 – Proof of Beneficial Use

To Whom It May Concern,

Enclosed is one Proof of Beneficial Use form for Permit #13-8081 along with three supplemental documents to accompany the Proof. The additional materials include a Place of Use map, a diagram of water control structures, and a set of photographs showing various elements of the diversion system. A check for \$375 is also included to satisfy the required fees associated with the PBU. The permit discussed here is for a water right at Oxford Slough Waterfowl Production Area.

Please contact Michael Jeletic, Hydrologist, at (503) 231-2233 or at michael_jeletic@fws.gov, with any questions or if you need further information.

Sincerely,

Michael Jeletic
Pacific Regions Water Resource Branch