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DEC 01 2009

**WATER RESOURCES
WESTERN REGION**

A. GENERAL INFORMATION

Permit No. 57-11765

1. Owner: TFR Partnership Phone No.: 916-715-1459

Current Address: c/o Richard Caldwell, 45625 Manzo Dr., Indian Wells, CA 92210

2. Accompanied by: Tom Craft EXAM DATE: October 19, 2009

Address: Homedale, Idaho Phone No. 208-337-5478

Relationship to Permit Holder: Property Caretaker

3. Source: Unnamed Drain tributary to Snake River

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 2-10343

2. Other water rights with the same point of diversion: _____

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

[illegible]

2. Place(s) of Use:

Indicate Method of Determination Field Exam, Topo Map

[illegible]

3. Delivery System Diagram: Indicate all major components and distances between components.

Indicate weir size/ditch size/pipe id as applicable.

See Attached Topo Map &
2006 Aerial Photo

Scale: 1" = _____

☒ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

☒ Aerial Photo Attached
(required for irrigation of 10+ acres)

☒ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

***Code to correspond with No. on map and aerial photo**

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Current meter	Pygmy	Gurley JBS	625 Aqua- calc Pro	AR2072		10/19/2009 Spin Test

2. Measurements: 12" culvert, 0.6 ft full

4.8 ft/s - 5.8 fps = 5.3 ft/s average velocity

E. NARRATIVE/REMARKS/COMMENTS

Description of Diversion Facilities.

Water is diverted into the pond by gravity diversion from an unnamed stream adjacent to the east side of the pond. Water can also be diverted into the pond by pumping directly from the Snake River under water right 2-10343.

Diversion works consist of a 12-inch corrugated metal pipe with slide gate control from the drain to the wetlands, and a check structure with overflow on the unnamed drain. Diversion from the stream is accomplished by raising the level in the stream to the pipe elevation using a check structure. The check structure is an Agri Drain in-line water control structure. The discharge pipe from the control structure is a 24-inch diameter corrugated metal pipe.

On October 19, 2009, the flow over the lip of the check structure was approximately 1/2 inches, with a crest length of 22.5 inches. Based on the suppressed rectangular weir formula, the flow over the check structure was approximately 0.05 cfs. Visible flow appeared to be greater, perhaps as high as 0.10 cfs.

After opening the slide gate, drain water flowing into the pond through the 12" culvert was measured at 2.6 cfs based on 0.6 ft of water flowing through the culvert at an average velocity of 5.3 ft/s.

Description of Storage Facility

The pond and wetland system was excavated and graded in substantial accordance with the plan prepared by the US Fish and Wildlife Service. The plan indicates a maximum capacity of 44 acre feet and a surface area of 17.5 acres. Maximum depth on the plan is approximately 5 feet, although Mr. Caldwell indicated that the maximum depth was approximately 7 feet. Therefore, capacity may be slightly more than 44 acre feet.

At the time of the field examination, water level surface (as measured on a staff gage near the outlet) was 2.10 feet. Full pond level is approximately 3.0 feet.

The pond water level is controlled by an outlet structure at the northeast corner, near the pump site and pump pipeline. The check structure is an Agri Drain in-line water control structure. The outlet structure discharges through an estimated 20-inch diameter PVC pipe. The outlet of the PVC pipe is protected with a 24-inch diameter corrugated metal pipe at the discharge point at the unnamed stream.

Beneficial Use

The pond and adjacent wetlands were being utilized by waterfowl and other birds at the time of the field examination. Beneficial use for wildlife purposes was established through examination and licensing of water right 02-10343. Since that time, there has been significant growth of wetland vegetation and an overall improvement of habitat.

Have conditions of permit approval been met? X yes no

F. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

12" pipe = 0.785 ft²

0.6' depth = 0.626% capacity x 0.785 ft² = 0.49 ft²

0.49 ft² x 5.3 ft/s = 2.6 cfs

(limited to 2.0 cfs per permit)

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$

$V_{D,R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$

$V = \text{Smaller of } V_{IR} \text{ and } V_{D,R} =$

2. Volume Calculations for Other Uses:

17.5 acres pond surface area x 7' maximum depth = 122.5 ac-ft x 0.4 correction factor for sloped ponds
= approximately 50 ac-ft

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Diversion to Storage	1/1	12/31	2.0	
Wildlife Storage	1/1	12/31		50.0

2. Recommended Amendments

____ Change P.D. as reflected above ____ Add P.D. as reflected above X None
____ Change P.U. as reflected above ____ Add P.U. as reflected above ____ Other

I. AUTHENTICATION

Field Examiner's Name Terry M. Scanlan, P.E., Certified Water Right Examiner 10-129 Date 11-22-09

Field Examiner's Signature

Terry M. Scanlan

Reviewer _____ Date _____



ATTACHMENT A

PERMIT RECORD AND PROOF OF BENEFICIAL USE

9/08 RECEIVED

DEC 01 2009

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
STATEMENT OF COMPLETION
FOR SUBMITTING PROOF OF BENEFICIAL USE

FOR OFFICE USE ONLY

Amt. of Fee \$: _____

Receipt No. _____

Receipt By: _____

Date Received: _____

WATER RESOURCES
WESTERN REGION

The Idaho Department of Water Resources considers this form a statement by the permit holder(s) that development of a water right has been completed and that water has been applied to beneficial use to the extent described below. This form must be accompanied by an examination fee, when necessary, or by a completed Beneficial Use Field Report prepared by a certified water right examiner. Please refer to the instructions and fee schedule for this form. If ownership of the permit has changed, please contact any Department office or visit the Department's website at: www.idwr.idaho.gov for an Assignment of Permit form. If you wish to relinquish your permit because you have not established the authorized use of the water and are not applying for an extension, please notify the Department in writing.

1. Permit No. 57-11765 Telephone No. 916-715-1459

2. Name of Permit Holder(s): TFR Partnership

3. Mailing Address: 45625 Manzo Drive City Indian Wells

State CA Zip 92210 Email: _____

4. Source of Water: Unnamed Drain If GROUND WATER (well), Date Drilled: mo. _____ / yr. _____

Well Driller: _____ Drilling Permit Number: _____

5. Extent of use(s) completed (as authorized by the water right permit):

Domestic (No. of households): _____ Stockwater (No. and type of stock): _____

Irrigation (No. of acres): _____ Other: Pond for Wildlife

6. Total rate of diversion or storage volume for which proof is submitted: 2.0 cfs OR 50.0 acre-feet

7. Compliance with a Measuring Device requirement and/or other Conditions of Permit: (Refer to the approval conditions on your permit and respond accordingly.)

Measuring Device: Is a measuring device required?

If yes, has the measuring device been installed?

Yes ☐ or No ☒

Yes ☐ or No ☐

Conditions of Permit: Does your permit require you to submit additional information in connection with your proof of beneficial use? (If yes, please list the conditions below and provide documents if necessary.)

Completed?

Yes ☐ or No ☐

Completed?

Yes ☐ or No ☐

8. Fee Enclosed: \$ _____ (See Fee Schedule on back of the instructions for filing proof of beneficial use. Proofs filed without an appropriate fee, will be considered incomplete.)

9. Person to contact to accompany the Department representative during field examination of the water system.

Name: _____ Telephone Number: _____

Mailing Address: _____ City _____

State _____ Zip _____ Email: _____

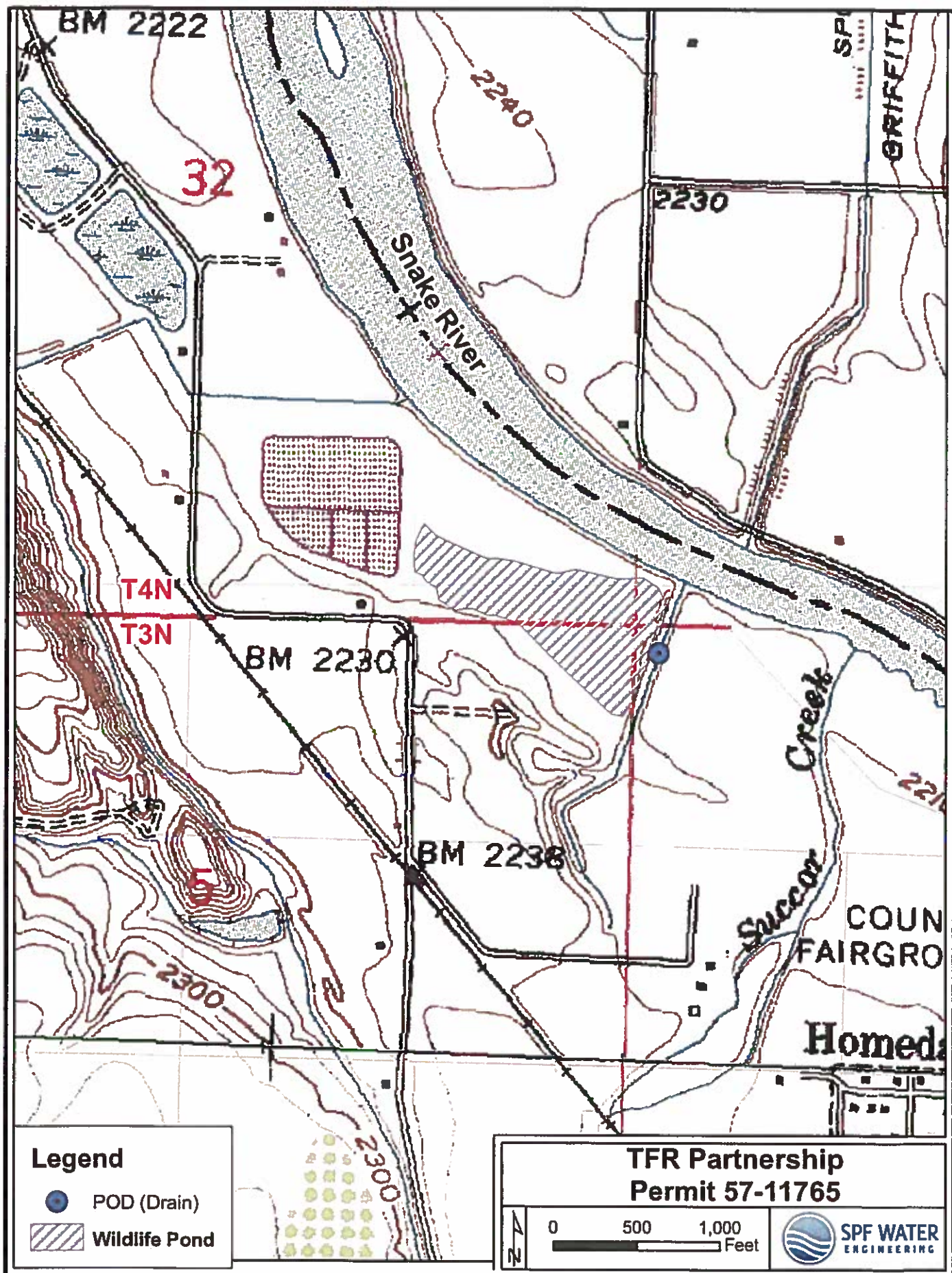
10. The information given on this form is my true statement of the extent to which the above numbered permit has been developed and water has been diverted and applied to a beneficial use. I understand that any undeveloped portion of the permit is relinquished to the State of Idaho.

Signature of permit holder: _____

(include your title, if on behalf of company or organization)

Date: 11-23-2009

ATTACHMENT B
TOPO MAP AND 2006 AERIAL PHOTOS



2006 Photo

Snake River

T4N

T3N

Legend



POD (Drain)



Wildlife Pond

**TFR Partnership
Permit 57-11765**



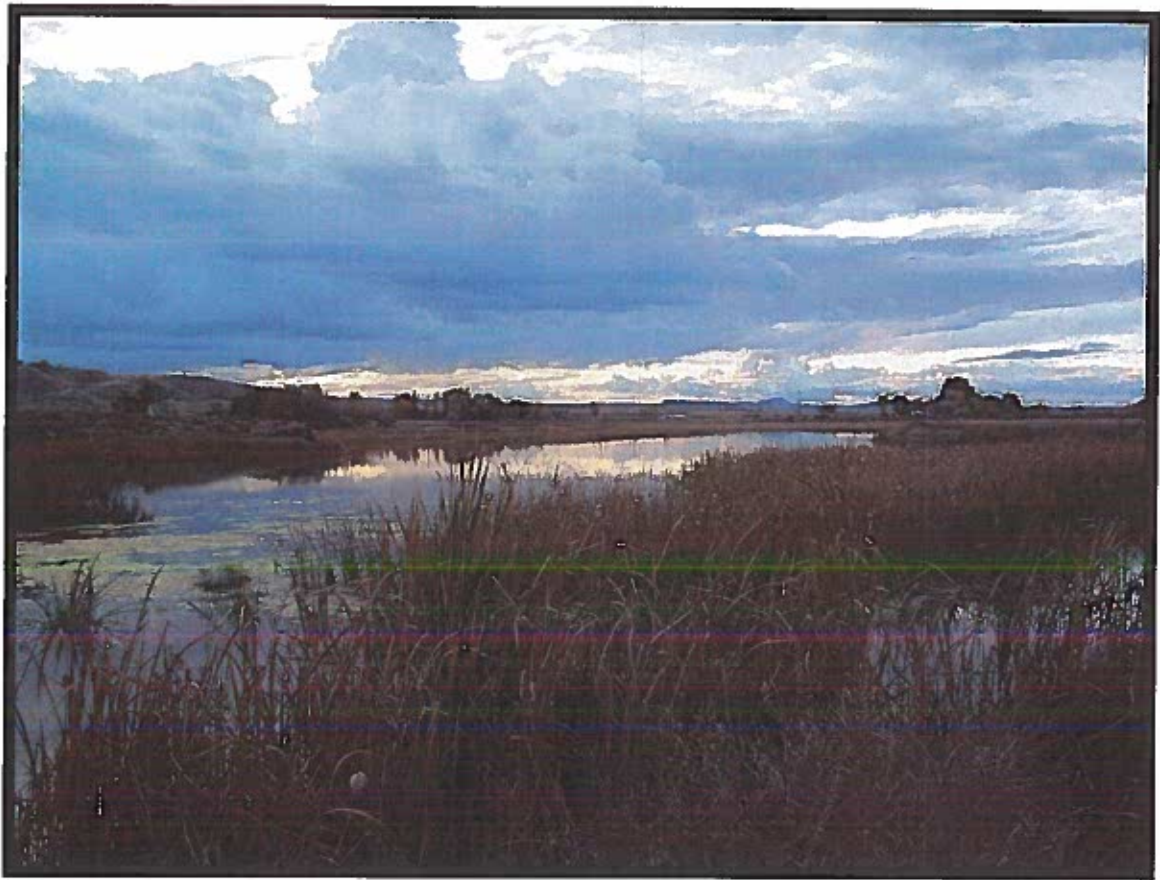
0 500 1,000
Feet



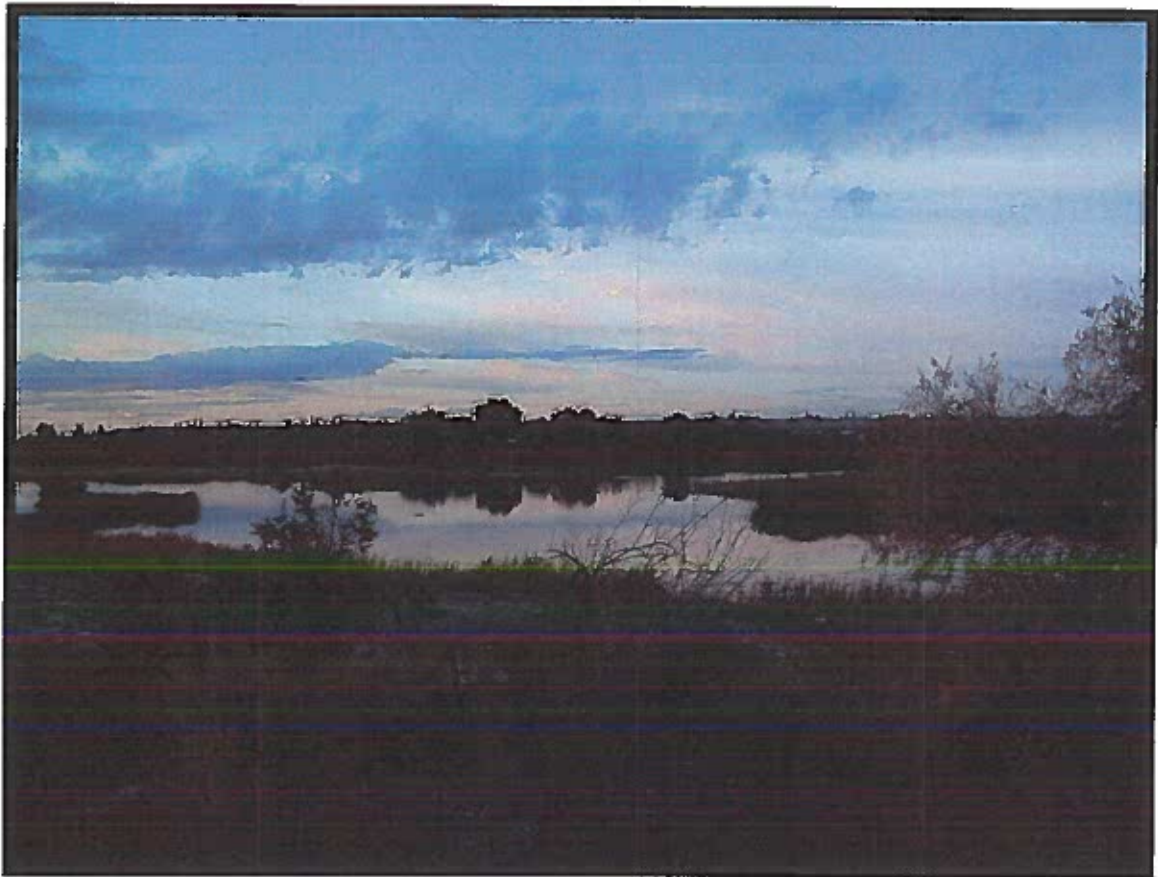
**SPF WATER
ENGINEERING**



Diversion Works: 12-inch Corrugated Pipe



Place of Use



Place of Use