

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 72-7559

Exam Date: 7/18/2012

Nathan Erickson

1. Current Owner: STATE OF IDAHO
DEPT OF FISH & GAME
PO BOX 25
BOISE ID 83707
(208)334-3700
2. Accompanied by: No One
- Phone No:
- Address:
- Relationship to Permit Holder:

3. SOURCE

SPRING

TRIBUTARY

SINKS

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 72-110B, 72-111B
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

SPRING SE1/4SW1/4NE1/4
CUSTER County

Sec. 32, Twp 14N, Rge 19E, B.M.

Method of Determination: Digitized from aerial photos after field visit

2.

PLACE OF USE: RECREATION STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
14N	19E	32			X														

Method of Determination: Aerial Photos, GPS points

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4. N/A

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
_____	_____	_____	_____	_____	_____

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

D. FLOW MEASUREMENTS N/A

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
_____	_____	_____	_____	_____	_____	_____

2. Measurements: N/A

E. FLOW CALCULATIONS N/A

_____ Additional Computation Sheets Attached

Measured Method:

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses: Recreation Storage

33,000 sq ft from GPS points around pond area and digitized shape area

12 ft (average depth) from notes/email from Tom Curet of IDF&G

33,000 sq. ft. X 12 ft. (average depth) / divided by 43,560 cu. ft./AF = 9.09 AF or **9 AF from permit**

G. NARRATIVE/REMARKS/COMMENTS

Nathan Erickson was in Challis on July 18, 2012 where he photographed the pond and walked around taking GPS points. His measurements indicated the pond area was about 0.75 ac. or 33,000 sq. ft. Calculations based on these figures indicate the requested volume of 9.0 AF is appropriate. The apparent source is a spring fed by seeps in the area where the pond was excavated, so I indicated its location as coming up from within the pond itself. (There is also an additional diversion from Garden Creek, which enters at the south edge of the pond, for supplemental Recreation Storage under rights 72-110B and 72-111B, as per transfer 76186 approved in 2010. There is an outlet at the northern edge to allow for flow-through.) There should be a combined limit of 9.0 AF for Recreational Storage from all three rights.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
RECREATION STORAGE	1/01 to 12/31		9.00 AF
<u>Totals:</u>			9.00 AF

2. Recommended Amendments

___Change P.D. as reflected above ___Add P.D. as reflected above XNone

___Change P.U. as reflected above ___Add P.U. as reflected above XOther

I. AUTHENTICATION

Field Examiner's Name



Date

7/25/2012

Reviewer



Date

8/14/2012

29

28

32

33

• 75 ACRES

33,000 FT²

200 Bing Map



2010 Aerial Photo
Bing Map

Robertson, Jean

From: Curet, Tom [tom.curet@idfg.idaho.gov]
Sent: Thursday, July 12, 2012 1:35 PM
To: Robertson, Jean
Subject: RE: Permit 72-7559

Jean – the sketchy notes I was able to find (and using google maps) suggest that the pond is ~320' X 90' with an average depth of ~12 feet when built. I hope this enough information to help. Thx tc

Tom Curet
Regional Fisheries Manager
Idaho Fish and Game
Office 208.756.2271 *ext. 230*
Cell 208.756.7841

From: Robertson, Jean [<mailto:Jean.Robertson@idwr.idaho.gov>]
Sent: Thursday, July 12, 2012 1:00 PM
To: Curet, Tom
Subject: Permit 72-7559

Hi Tom,

I am working on this permit for the issuance of a license. It is for the fish pond in Challis. One of my co-workers is planning a trip to Challis next week for some field exams and I may have him take a look at this while he is up there. He will just need a few pictures mostly. I was wondering, however, if there is a design plan available for the pond because we need to know the average depth for our volume calculations. You could email any information you may have or please give me a call if you have any questions or wish to meet with Nathan while he is up in Challis next week. Jeanie Robertson (208) 736-3033



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