

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 21-7511

Exam Date: 10/4/2007

1. Current Owner: ROBERT L PEARSON
1331 E 65TH S
IDAHO FALLS ID 83404
(208)522-9589
2. Accompanied by: Robert Pearson
Phone No: SAA
Address: SAA
Relationship to Permit Holder:

3. SOURCE TRIBUTARY
DUCK CREEK HENRYS LAKE

B. OVERLAP REVIEW

1. Other water rights with the same place of use: See Attached
2. Other water rights with the same point of diversion: None

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

DUCK CREEK NW1/4NW1/4 Sec. 24, Twp 15N, Rge 42E, B.M.
FREMONT County

Method of Determination: GPS

2.

PLACE OF USE: RECREATION

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
15N	42E	24						X											

RECREATION STORAGE same as RECREATION

Method of Determination: Arial Photo in ArcView

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.

<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>
A0018215					

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

D. FLOW MEASUREMENTS

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: Currently over the 3 foot rectangular weir there is ~0.042 feet of water which is due to low water levels in Duck Creek

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: There is evidence that the system has run a little over 2.5 inches across the weir board indicating a flow of around 1.0 CFS.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses: The pond is ~0.19 Acres and an average of 6 feet deep for a volume of 1.1 AF

G. NARRATIVE/REMARKS/COMMENTS

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

H. RECOMMENDATIONS**1. Recommended Amounts**

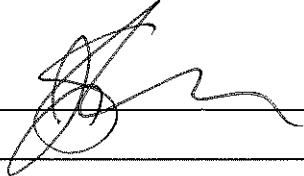
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
RECREATION	01/01 to 12/31	1.000 CFS	
RECREATION STORAGE	01/01 to 12/31		1.10 AF
<u>Totals:</u>		1.000 CFS	

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Joseph Larsen  Date October 16, 2007

Reviewer _____ Date _____

Comment Report

21-7511

1. MILLER 8/13/1992 MORATORIUM EXEMPTION

Comment: This permit falls within the acceptable parameters of the Snake River Basin Moratorium.

2. jlarsen 10/5/2007 Field Report Narrative

Comment: This system begins on Duck Creek where a sceened headgate delivers water to an 8 inch steel pipe. The pipe runs underground to the pond for about 150 yards. In the pond the pipe is vertical creating a fountain effect. This fountain helps oxygenate the pond. The ponds outlet is a screen 10 inch culvert that discharges over a 3 foot rectangular weir with boards to control the height of the pond. There are stocked fish in the pond.

3. jlarsen 10/5/2007 POD

Comment: Updated shape

4. jlarsen 10/5/2007 POD

Comment: Updated PLS

5. jlarsen 10/5/2007 POU

Comment: Updated Shape

6. jlarsen 10/5/2007 POU

Comment: Updated PLS

7. jlarsen 10/15/2007 POU Overlap Analysis

Comment: POUs that overlap QQs are:

21-2041

21-7404

21-12958

Plan A

Duck Creek

150 YDS

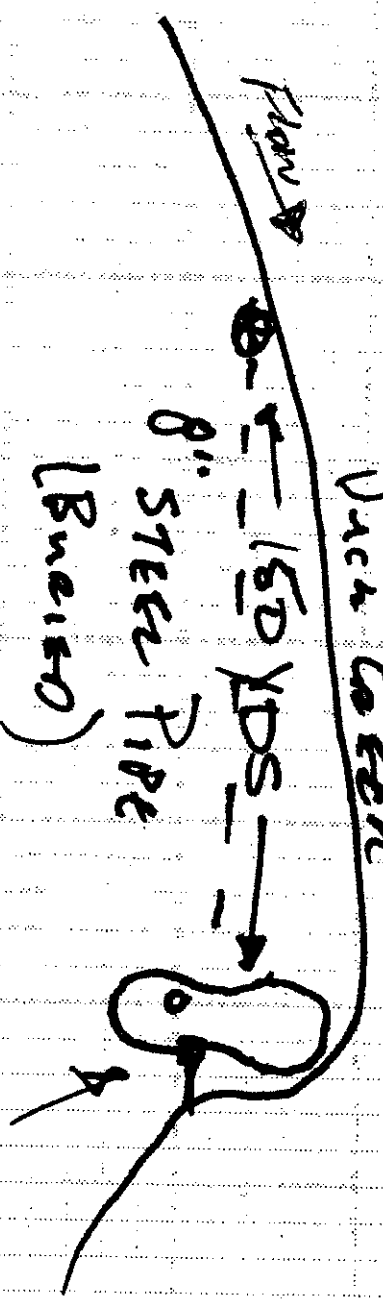
8" STEEL PIPE

(Buried)

Flow

3' REAR.
WHEEL

AVE. 6' DEEP





Creek

6575



