

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8687
Exam Date: 05/16/2019

1. Current Owner:

AUDREY BASHAW
AND
GERALD B BASHAW
PO BOX 767
PICABO ID 83348

2. Accompanied by: NA

Phone No:

Address:

Relationship to permit Holder:

3. **SOURCE:**

UNNAMED STREAM

Tributary

LOVING CREEK

Method of Determination: ArcMap aerial imagery, DRG layer, and site visit

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None

2. Other water rights with the same point-of-diversion: None

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

UNNAMED STREAM SW¼ SE¼, Sec. 2, Twp 01S, Rge 19E, B.M. BLAINE County

Method of Determination: ArcMap aerial imagery and site visit

PLACE OF USE: WILDLIFE STORAGE

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01S	19E	2												X			X		

PLACE OF USE: AESTHETIC STORAGE

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01S	19E	2												X			X		

Method of Determination: ArcMap aerial imagery and site visit

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

X 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

X 1:24,000 or greater.X Aerial Photo Attached (required for irrigation of 10+ acres).X Photo of Diversion and System Attached

4.

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NA						

2. Measurements: NA

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method: NA

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: NA

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

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: Volume of reservoir calculated by estimated average depth of 5.5 feet x surface area of 1.1 acres 6.0 AF

G. NARRATIVE/REMARKS/COMMENTS

The field exam for permit 37-8687 was conducted on May 16, 2019. The reservoir consists of a dirt fill embankment across the unnamed stream topped by a road. The spillway is a buried 4 foot diameter oblong CMP placed in the stream bed and controlled by an adjustable Cipoletti weir to change the reservoir level. An outlet headgate is also present at the reservoir, and it, too, drains into the unnamed stream below the reservoir. The permit uses were listed as Wildlife, Aesthetic, and Aesthetic Storage, but the field exam revealed that the impoundment is an on-stream reservoir, so the uses have been changed to Wildlife Storage and Aesthetic Storage only, with no off-stream diversion.

The place of use was determined to be partially in the SESW of Section 2, which wasn't permitted, so an Amendment of Permit will be sent out to the permit holders.

A condition requiring lockable controlling works and a measuring device was complied with and confirmed during the field exam. The Cipoletti weir and the headgate were both lockable, and the Cipoletti weir is an acceptable measuring device. The condition requiring the right to be non-consumptive was dropped because the flow-through components of Wildlife and Aesthetic were removed in favor of Wildlife Storage and Aesthetic Storage due to the fact that the reservoir is on-stream.

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

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
WILDLIFE STORAGE	01/01 to 12/31		6.0 AF
AESTHETIC STORAGE	1/01 to 12/31		6.0 AF

Totals:

6.0 AF

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 ☐ None

I. AUTHENTICATION

Field Examiner's Name Jim B. Jey Date 5-29-19

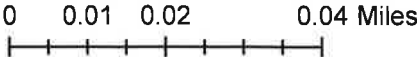
Reviewer _____ Date _____

Place of Use and Point of Diversion for right 37-8687 Bashaw



Legend

- Township/Range
- Sections
- QQ



System Diagram 37-8037



Legend

- Township/Range
- Sections
- QQ



0 0.01 0.02 0.04 Miles



The point of diversion, the Bashaw reservoir embankment.

The place of use, the Bashaw reservoir.





Cipoletti weir at the head of the culvert under the embankment.

Outlet headgate.



37-8687 Bashaw



View of reservoir.

View of unnamed stream below reservoir.

