

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-17487
Exam Date: 10/19/2023

1. Current Owner:
ANDREA GIBSON 18833 W QUAIL LN POST FALLS ID 83854-6756 AND/OR
JOHN GIBSON 18833 W QUAIL LN POST FALLS ID 83854-6756
2. Accompanied by: ANDREA GIBSON
Phone No: (208) 457-2453
Address: SAME AS ABOVE
Relationship to permit Holder: Permit holder

3. **SOURCE:**
UNNAMED STREAM

Tributary
CABLE CREEK

Method of Determination: Field Exam, ArcMap and GPS Locator -117.034832, 47.659673

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NO Overlap
2. Other water rights with the same point-of-diversion: NO Overlap

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

UNNAMED STREAM SE¼ SW¼, Sec. 24, Twp 50N, Rge 06W, B.M. KOOTENAI County

Method of Determination: **Field Exam, ArcMap and GPS Locator -117.034832, 47.659673**

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	
50N	06W	24												X					

PLACE OF USE: FIRE PROTECTION 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	
50N	06W	24												X					

Method of Determination: **Field Exam, ArcMap and GPS Locator -117.034832, 47.659673**

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.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
NONE					

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE						

2. Measurements: No evidence of flow, so no measurements could be taken on October 19, 2023. On April 11, 2024, another attempt to take measurements of the flow was unsuccessful. The water was flowing but not enough to get a good measurement. In speaking with applicant, she stated the flow has been unusually low recently.

E. FLOW CALCULATIONS

Measured Method: Not able to conduct accurate flow measurement due to low flowing water in the channel.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: N/A
2. Volume Calculations for Other Uses: **See Pond Analysis Worksheet**

G. NARRATIVE/REMARKS/COMMENTS

Department staff performed a field exam on 10/19/2023 with the applicant Andrea Gibson, which showed an unnamed stream with an instream pond. The uses for the pond are Wildlife Storage and Fire Protection Storage. At the POD, the applicant has an earthen dam that impounds unnamed stream water on the applicant's property. The pond has an outflow pipe that allows overflow discharge to route downstream from the small basin the pond resides in.

The POD was designated by Field Exam to be an earthen pond dam constructed along the down slope of the pond. Due to the initial field exam being late in the season, the area around the pond was like a wetland environment but the applicant's property is not a designated wetland. Photographs were taken that illustrate the pond and the outflow pipe serving as the overflow device for the pond. The storage pond serves as the POU for the beneficial uses detailed above, and no water is actively pumped from the pond for use by the applicant.

During licensing review, ArcMap aerial imagery coupled with field exam notes were used to trace out the pond's surface area, which rounds up to 0.1 acres considering department rounding standards. The pond has a depth of 4 feet, an average depth of 4 ft, a pond capacity of 0.4 af, and an estimated seepage/evaporation loss of 0.4 af. Based on pond development and current pond analysis worksheet calculations, each beneficial use annual volume equals 0.8 af, which is not additive toward the maximum diversion volume of 0.8 af recommended for licensing this right.

Condition 26A was removed. Condition 220 was removed based on licensing guidance from Shelley Keen – IDWR Regional Operations Bureau Chief. Condition 219 was revised to reflect accurate pond volume data derived during licensing review. All other conditions on the permit shall be carried to licensing. There are no overlap concerns for this water right.

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		0.8 AF
FIRE PROTECTION STORAGE	01/01 to 12/31		0.8 AF

Totals:

0.8 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 Tammy Alleman – Water Resource Agent

Field Examiner's Name *Tammy Alle* Date 6/7/2024

Reviewer *Chase Bell* Date 2/21/25

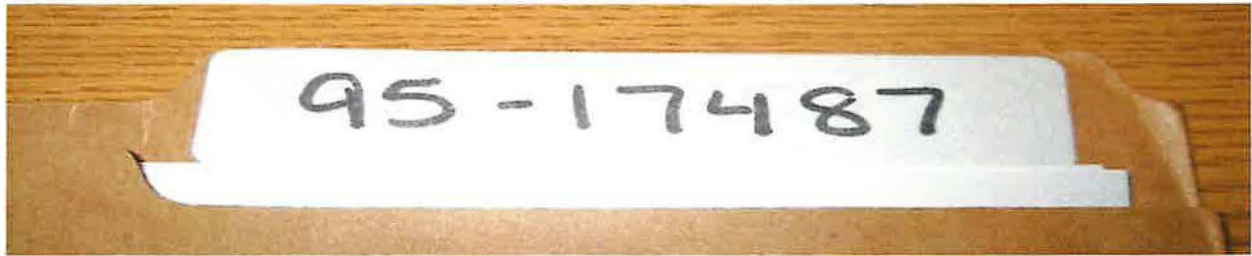
Total Storage Calculations

FILE NUMBER	95-17487
REVIEWER	Tammy Alleman
DATE	6/6/2024

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the total seepage, evaporation and fill capacity required for a pond.

User Input
Calculated value
Formula Explanations

Surface Area (AC.)	0.1	"Surface Area" is automatically carried over from the "Seepage Loss" sheet.
Average Pond Depth (FT.)	4	"Average Pond Depth" depicts the actual depth of the pond either measured or estimated. Note: If you know the maximum depth and not the average depth, the Field Examiner's Handbook suggests multiplying the maximum depth by 0.4 to get the average depth, or you can use any method that seems reasonable to attain average depth.
Pond Capacity (AF)	0.4	Pond Capacity is calculated by multiplying the Pond Surface Area by the Average Pond Depth. If you know the capacity, divide the capacity by surface area and enter the average pond depth in the space above. Note: If pond capacity is determined using a method shown on the "Pond Capacity" sheet, the user may need to modify the value of "Pond Capacity" (cell B9) manually. Note that if the value is modified manually, the formula will be altered for future use.
Multiple Fill Volume Above Initial Fill to Fulfill From Storage Needs- "Multiple Fills" (AF)	0	The "Multiple Fill Volume Above Initial Fill" is the acre-feet of water required to meet a <i>from storage</i> component if the <i>from storage</i> component exceeds a one time fill. This section should not include the amount of water needed to fill the pond initially or the amount of water needed to maintain the pond level due to evaporation or seepage. For example: if a pond has a capacity of 5 acre feet and 2.5 acre feet of seepage and evaporation, but the pond is used for irrigation that requires 10 acre feet of from storage for the irrigation use, then you would insert 5 acre feet into this location (10 acre feet needed - 5 acre feet from the initial fill = 5 acre feet of additional storage needed). Note: You must have a "From Storage" component exceeding the initial fill on the permit to include a volume in this space.
Estimated Seepage Loss (AF)	0.1	The "Estimated Seepage Loss" is automatically carried over from the "Seepage Loss" sheet.
Estimated Evaporation Loss (AF)	0.3	The "Estimated Evaporation Loss" is automatically carried over from the "Evaporation Loss" sheet.
Total Volume Required (AF)	0.8	The "Total Volume Required" is calculated by adding the Pond Capacity, Multiple Fills, Seepage Loss, and Evaporation Loss amounts to determine the total amount of storage required.



WATER RIGHT 95-17487



UNNAMED STREAM CULVERT



UNNAMED STREAM FLOW FROM CULVERT TO POND





POND WITH OUTFLOW PIPE





DAM WITH 2 INCH OUTFLOW PIPE TO UNNAMED STREAM



FLOW PAST POND DOWNSTREAM