

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-24264
Exam Date: 06/23/2025

1. Current Owner:
TRAVIS LUKOIC 1309 W SHERINGTON CT EAGLE ID 83616-7184
2. Accompanied by: Travis Lukoic
Phone No: 208-941-6620
Address: 48 Pierson McCall, ID
Relationship to permit Holder: Permit Holder

3. **SOURCE:**
SPRINGS

Tributary
SINKS

Method of Determination: Aerial photography 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 SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**
SPRINGS NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 27, Twp 18N, Rge 03E, B.M. VALLEY County

Method of Determination: Aerial photography 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	
18N	03E	27									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	
18N	03E	27									X								

Method of Determination: Aerial photography 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.
 - n/a 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
n/a	n/a	n/a	n/a	n/a	n/a

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
n/a	n/a	n/a	n/a	n/a	n/a	n/a

2. Measurements: No diversion therefore no rate measurement is necessary.**E. FLOW CALCULATIONS**n/a Additional Computation Sheets Attached

Measured Method:

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: N/A
2. Volume Calculations for Other Uses: Wildlife and Aesthetic Storage

Pond Analysis:

Pond Capacity = 0.8 AF

Seepage Loss = 0.0 AF

Evaporation Loss = 0.3 AF

Total Volume = 1.1 AF

License Recommendation = 1.1 AF

G. NARRATIVE/REMARKS/COMMENTS

A field exam was conducted on June 23, 2025, by Senior Water Right Agent Marcelina Riddle and was accompanied by Travis Lukoic who is the permit holder. The permit was approved on January 24, 2024, and proof of beneficial use was submitted on January 30, 2025.

The point of diversion (POD) location was confirmed as spring that was dug out in the NESW of Sec 27, T18N, R03W, and is accurately described by the permit. The pond also fills with spring runoff. No overlapping PODs were found. No amendment is required to correct the legal descriptions.

The permit authorizes 3.0 AF for Wildlife and Aesthetic storage use within the NESW of Sec 27, T18N, R03W. ArcMap tools and aerial imagery, supported by photos taken during the field exam, were used to verify the area. No amendment required to correct the legal description of the POU.

The pond has a surface area of ~0.2 acres and a total compacity of 0.8 AF. Evaporation loss was determined with the ET-IDWR website and calculated to be 0.3 AF. Seepage analyses are not calculated for on stream storage there for only evaporative losses are accounted for in the total volume. The total volume sufficient to maintain the pond is estimated to be 1.1 AF. Therefore, recommended volume for licensing is 1.1 AF. In development of this system there was no intent to divert spring water to storage but instead the permit holder wanted to create an in-stream storage system. This was verified during the field exam. Therefore, no rate will be carried over at licensing.

Condition 103 replaced condition 121 per department standards. R05 was removed because the spring is tributary to sinks. Condition 219 and 220 were updated to reflect current storage compacity.

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		1.1 AF
AESTHETIC STORAGE	01/01 to 12/31		1.1 AF

Totals:

1.1 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

Marcelina Riddle - Water Resource Agent

Field Examiner's Name

Date

Reviewer

Date

11/20/25

11/20/25

Total Storage Calculations

FILE NUMBER	65-24264
REVIEWER	MR
DATE	10/31/2025

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.)	0.2	"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)	0.8	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)	0.0	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)	1.1	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.

Flow Rate into Pond (CFS)	0.00	The "Flow Rate into Pond" depicts the actual flow, either measured or estimated, into the pond. For offstream facilities, this will be equivalent to "diversion to storage" rate.
Highest Daily Evaporation Rate From Evaporation Tab. (mm/Day)	4.26	This number is carried over from the "Evaporation Loss" sheet. It is the highest recorded number in the "Precipitation Deficit Table".
Required Daily Maintenance Volume (AF/Day)	0.00	"Required Daily Maintenance Volume" is the maximum volume of water needed on any given day during the year to maintain pond volume. It is calculated by adding the highest daily evaporation loss to the average daily seepage loss in acre feet. The average daily seepage loss is calculated by dividing the "Estimated Seepage Loss" by 365 days. This is acceptable, since the seepage rate shouldn't vary throughout the season unless the pond completely freezes over during the winter months. The highest daily evaporation loss is calculated by dividing the Highest Daily Evaporation Rate by the 304.8 conversion factor and multiplying this number by the pond surface area to attain a combined daily acre feet requirement.
Minimum Maintenance Flow (CFS)	0.00	The "Minimum Maintenance Flow" is the minimum amount of flow required to maintain the level of the pond. This number is determined by dividing the "Maximum Required Daily Maintenance Volume" by 1.9835. This flow can be used to determine if the flow rate into the pond is adequate to maintain the pond level.
Days Required to Fill the Pond	-286	The "Days Required to Fill the Pond" is calculated by dividing the "Pond Capacity" by the "Flow Rate" minus "Minimum Maintenance Flow" multiplied by 1.9835. This section will assist you in determining if the flow rate being diverted to the pond is adequate to fill the pond while maintaining the pond level. The length of time to fill the pond will help determine if the flow rate is adequate for the size of pond being proposed. If this number is approximately 6 months (180 days) or more, the reviewer should have a discussion with the applicant to make sure he/she understands that it will take a significant length of time to fill the pond.
Days Required to Fill the Pond at 13,000 Gallons per Day	22	Some water users may want to fill a pond under the 13,000 gallons per day domestic exemption. The "Days Required to Fill the Pond at 13,000 Gallons per Day" is calculated by converting the "Pond Capacity" and the "Required Daily Maintenance Volume" to gallons. The "Pond Capacity" is then divided by 13,000 gallons minus the "Required Daily Maintenance Volume" in gallons to determine the number of days to fill pond. If this number is approximately 6 months (180 days) or more, the reviewer should have a discussion with the applicant to make sure he/she understands that it will take a significant length of time to fill the pond. Negative values indicate that the supply of 13,000 gallons per day is not enough volume to overcome the required daily maintenance volume; the pond will never fill.

DELIVERY SYSTEM DIAGRAM

Water Right No. 65-24264



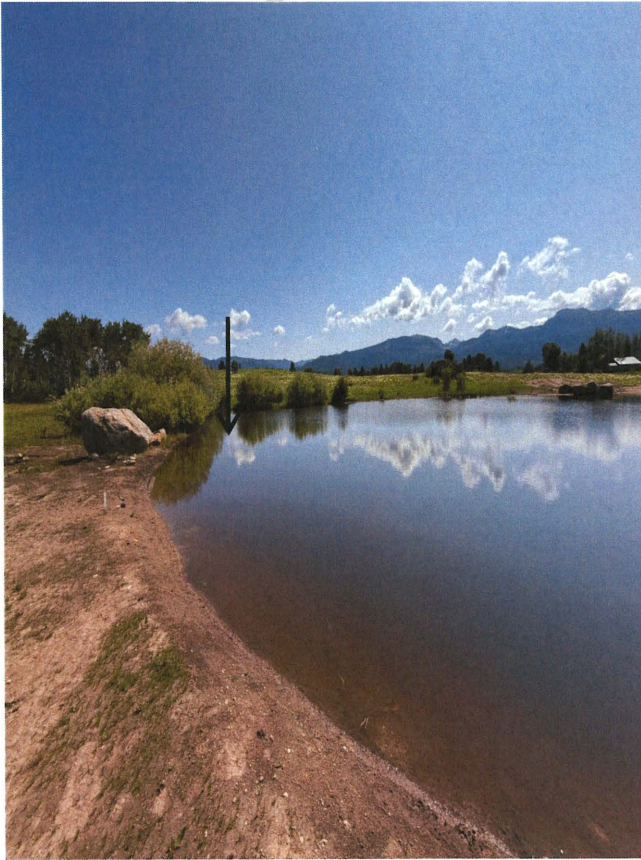


Fig. 1 – POD where black arrow is pointing. Located in the NESW QQ. View looking NE.

GPS : 116°4'39.364"W 44°52'3.7"N



Fig. 2 – Most norther part of the pond. Located in the NESW QQ. View looking S.



Fig. 3 – Wildlife and Aesthetic pond POU. Located in the NESW QQ. View looking W.

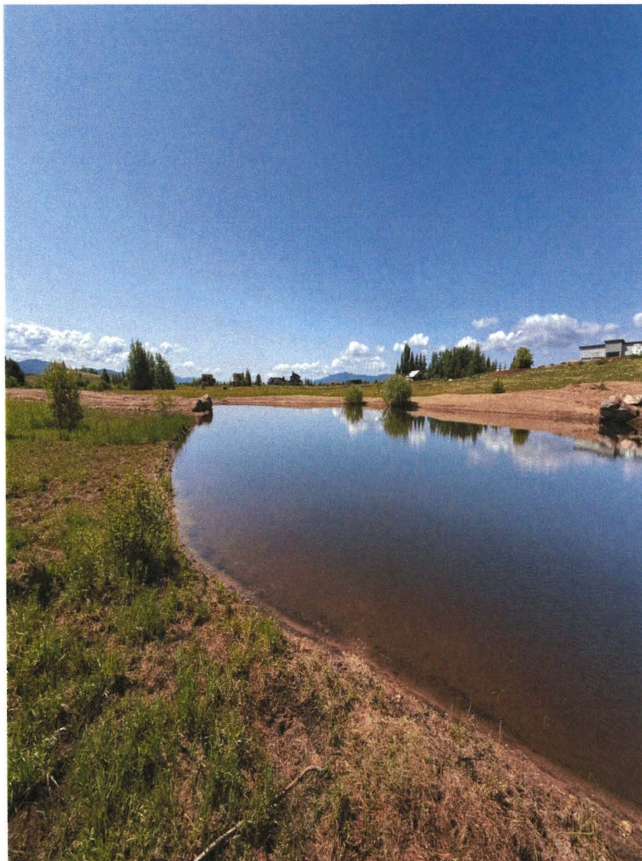


Fig. 4 – Wildlife and Aesthetic pond POU. Located in the NESW QQ. View looking south along the east side of the pond.

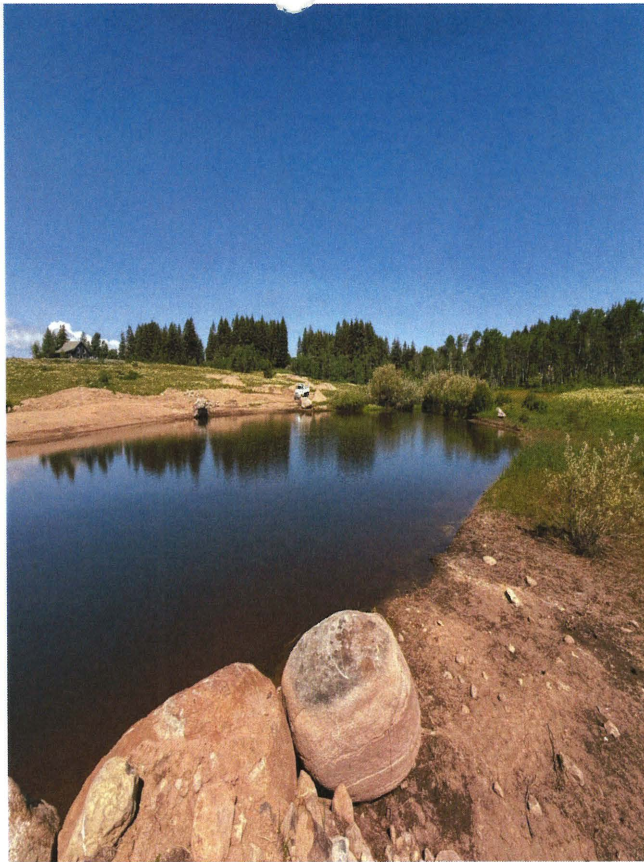


Fig. 5 –Wildlife and Aesthetic pond
POU. Located in the NESW QQ.
View looking NW.

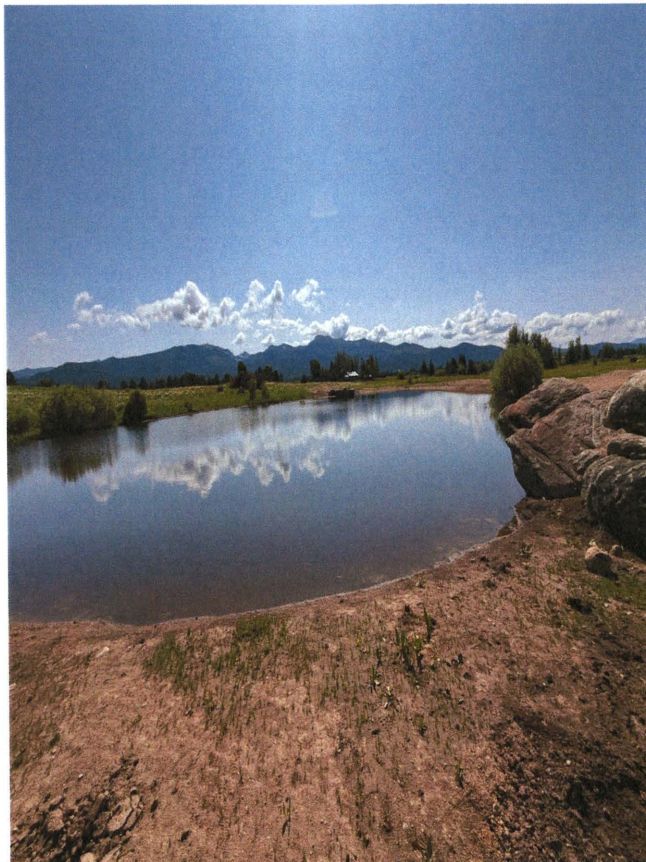


Fig. 6 – Wildlife and Aesthetic pond
POU. Located in the NESW QQ.
View looking SE.