

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 91-8041

Exam Date: 05/13/2025

1. Current Owner:

JACK M MC CALMANT 465 INFERNO LN ST MARIES ID 83861-4405 AND/OR
RAMONA J MC CALMANT 465 INFERNO LN ST MARIES ID 83861-4405

2. Accompanied by: Jack M McCalmant

Phone No: 509-215-0969

Address: Same as above

Relationship to permit Holder: Permit Holder.

3. **SOURCE:**

UNNAMED STREAM

Tributary

SINKS

Method of Determination: ArcMap and DRG Layer.

B. OVERLAP REVIEW1. Other water rights with the same place of use: NO Overlap2. Other water rights with the same point-of-diversion: NO Overlap**C. DIVERSION AND DELIVERY SYSTEM**1. **LOCATION OF POINT(S) OF DIVERSION:**

UNNAMED STREAM L7 (NW¼ NE¼), Sec. 6, Twp 46N, Rge 02W, B.M. BENEWAH County

Method of Determination: Logging Road serving as an earthen dam-dike was GPS located at -116° 38.0807, 47° 22.0867.

PLACE OF USE: WILDLIFE STORAGE, RECREATION STORAGE, and 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	
46N	02W	6		X L7															

Method of Determination: Beneficial use field examination, ArcMap aerial imagery, and Google Earth aerial imagery.

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
Earthen Dam	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
NONE						

2. Measurements: N/A

E. FLOW CALCULATIONS

Measured Method: N/A

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: N/A

2. Volume Calculations for Other Uses: See attached Pond Analysis Worksheet.

G. NARRATIVE/REMARKS/COMMENTS

I performed the beneficial use field exam on 5/13/2025 with the Permit Holder, Jack McCalmant, which showed a small pond impounding Unnamed Stream water for multiple storage beneficial uses (BUs). At the POD, an old logging road cut was built up across the minor draw creating the pond's impoundment area, which has filled seasonally after that time. The earthen road/dike has an overflow culvert which allows stream water to continue downstream, primarily early in season during peak runoff periods. The storage pond is considered on-stream and there isn't a diversion rate component associated with this water right.

The Fire Protection Storage, Wildlife Storage, and Recreation Storage POU consists of a small pond created when a historical logging operation created pond impoundment filling from three intermittent unnamed streams. I collected photographs during the field exam which have been added to the beneficial use report, and during licensing review I used ArcMap aerial imagery to accurately trace out the pond's surface area assigned as the POU. The year 2021 imagery better represents a pond-full status as the imagery was from earlier in the year than 2023; the assigned POU clearly illustrates the whole storage pond and volume elements are designated below:

- The small pond has a surface area of 0.2 acres considering Department rounding standards, a maximum depth equaling 8 ft, an average depth of 3.2 ft, a pond capacity equal to 0.6 af, and 0.5 af of loss due to seepage & evaporation. The total volume requirement to maintain the pond full annually equals **1.1 af**.
- The Field Exam system diagram map illustrates by red polygon the area of the pond that was backfilled based on an agreement between neighboring properties. The filled in portion results in reduced surface area acreage but makes the entirety of the storage pond located on the Right Holder's property.

The Permit Holder has installed a food grade barrel with flexible hose routed to a 7-hp generator framed water transfer pump that sits in standby in the event fire suppression is required. No active diverting from the pond takes place, but the Permit

Holder has worked with the rural fire district personnel to have the pond available if need arises. I observed numerous wild game (ungulates) tracks leading to the pond indicating it is actively used by local wildlife. The three BUs collectively have the same diversion volume, which equals 1.1 af and is not additive toward the maximum diversion volume for licensing purposes. The Permit authorized the development of Stockwater Storage and Stockwater from Storage BUs, but these uses weren't developed by the Permit Holder within the development period; I've removed both Stockwater BUs during licensing review.

I removed condition 26A from the Permit during licensing review due to compliance by the Permit Holder. Condition X02 was removed as stockwater use wasn't developed. I replaced condition 259 with 219 to accurately describe storage pond volumetric data as calculated using the Pond Analysis Worksheet following the field examination. I removed condition 220 based on directive from a Deputy Director – S.Keen. I removed a text condition describing the recreation storage BU as the description isn't required for licensing purposes. All other conditions on the Permit shall be advanced to the license. There aren't any overlapping water right concerns toward licensing 91-8041.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Annual Volume</u>
WILDLIFE STORAGE	01/01 to 12/31	1.1 AF
RECREATION STORAGE	01/01 to 12/31	1.1 AF
FIRE PROTECTION 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 X None

Change P.U. as reflected above	Add P.U. as reflected above	X	None
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I. AUTHENTICATION

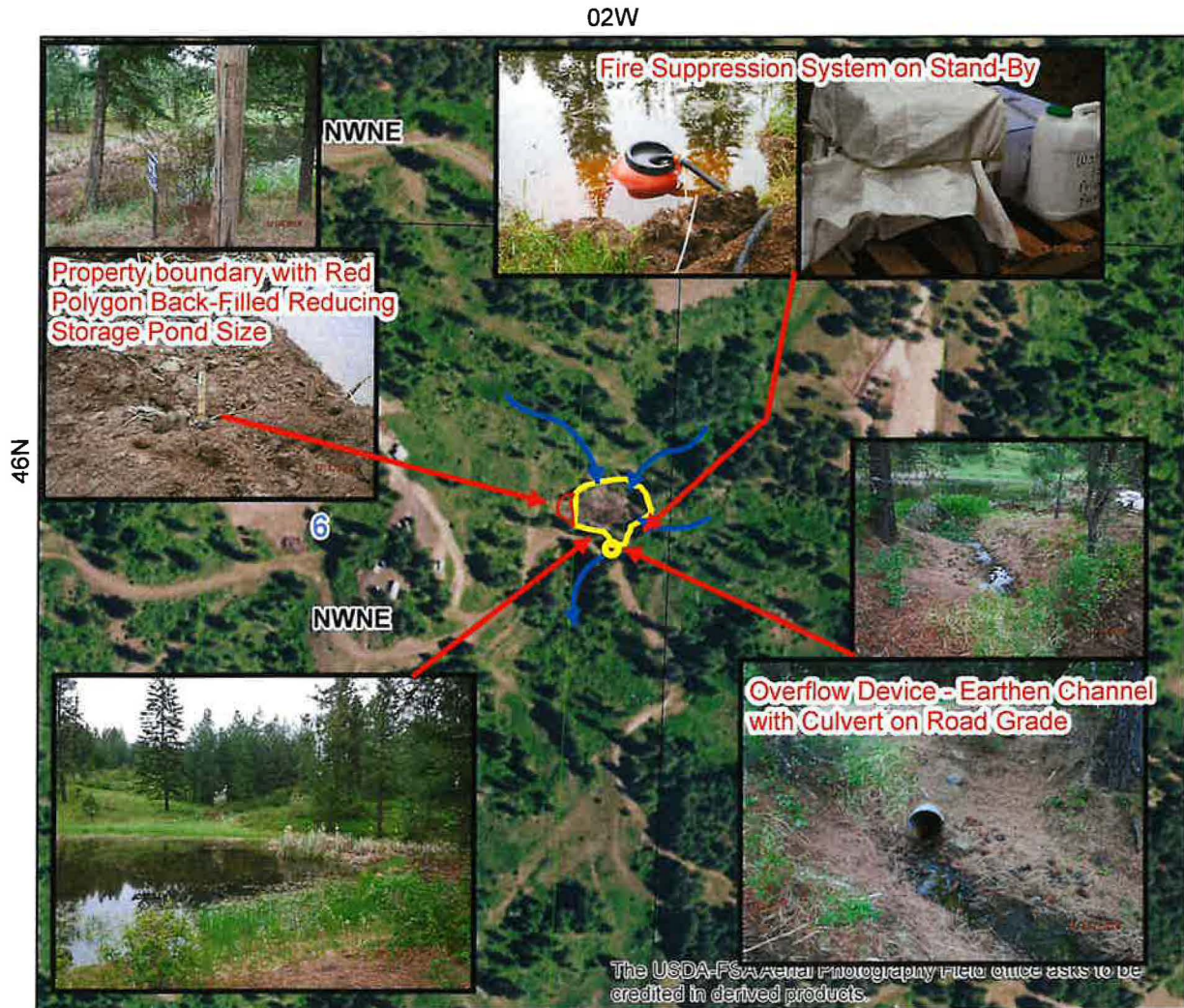
Luke Bates – Sr Water Resource Agent

Field Examiner's Name John A. Baker Date 5/13/2025

Reviewer _____ Date _____

State of Idaho
Department of Water Resources
Attachment to Field Exam
91-8041

This map depicts the FIRE PROTECTION STORAGE, RECREATION STORAGE,
and WILDLIFE STORAGE system diagram.



0 0.035 0.07 0.14 Miles

- Place Of Use Boundary
- Point of Diversion
- Taxlots
- Townships
- PLS Sections
- Quarter Quarters



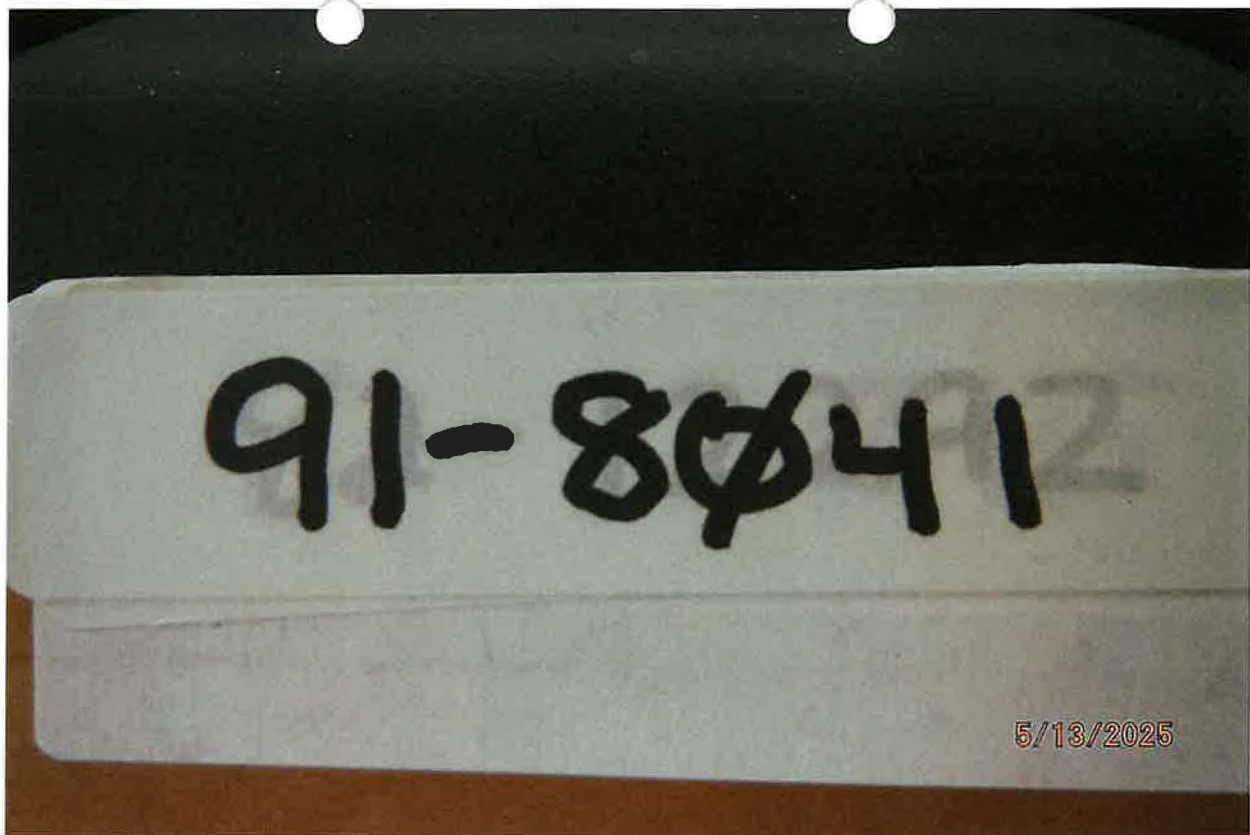
Total Storage Calculations

FILE NUMBER	91-8041
REVIEWER	Luke Bates
DATE	5/13/2025

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.)	3.2	"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)	0.6	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)	0.3	The "Estimated Seepage Loss" is automatically carried over from the "Seepage Loss" sheet.
Estimated Evaporation Loss (AF)	0.2	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.



BENEFICIAL USE FIELD EXAM DATE 5/13/2025



POD – ROAD CONSTRUCTED IN SMALL DRAINAGE SERVING AS EARTHEN DAM
FOR STORAGE POND

POU – FIRE PROTECTION STORAGE, WILDLIFE STORAGE, & RECREATION STORAGE
POND



WESTERN EXTENT OF STORAGE POND FALLS ACROSS PROPERTY BOUNDARY –
NEIGHBOR(S) AGREEMENT DESIGNATES THAT PORTION OF POND (LEFT OF
PRIVATE PROPERTY SIGN) IS FILLED IN TO REDUCE SIZE OF POND AND MAKE IT
SOLEY ON RIGHT HOLDER'S PROPERTY



WHITE METAL FENCE POST DESIGNATES PROPERTY BOUNDARY (L/H) FILLED IN
AND (R/H) MAINTAINED FOR STORAGE POND



POU – MULTI-USE STORAGE POND WITH UNNAMED STREAM(S) INFLOWING FROM R/H & L/H OF PHOTOGRAPH



STORAGE POND OVERFLOW DEVICE – METAL CULVERT BENEATH ROAD ALLOWS OVERFLOW WATER TO CONTINUE DOWNSTREAM IN BASIN



7-HP GENERATOR FRAMED TRANSFER PUMP SET UP ON STANDBY IN THE EVENT FIRE PROTECTION WATER IS REQUIRED TO SUPPRESS AN ACTIVE FIRE

