

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
**BENEFICIAL USE FIELD REPORT**

**A. GENERAL INFORMATION**

**Permit No:** 98-8014  
**Exam Date:** 07/23/2026

1. Current Owner:  
MATT PHILBROOK PO BOX 91 BONNERS FERRY ID 83805-0091
2. Accompanied by: Unaccompanied with permission from Matt Philbrook  
Phone No: 208-301-2827  
Address: Same as above  
Relationship to permit Holder: Right Holder

**3. SOURCE:**  
GROUND WATER

**Method of Determination:** Arc Pro GIS and DRG Layer.

**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: NO Overlap

Comments: Storage pond is within the Cabinet Mountains Water District (municipal provider), but there isn't a concern about overlapping between water rights.

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

**C. DIVERSION AND DELIVERY SYSTEM**

1. **LOCATION OF POINT(S) OF DIVERSION:**  
GROUND WATER SW¼ NE¼, Sec. 22, Twp 61N, Rge 01E, B.M. BOUNDARY County

Method of Determination: POD is an in-pond groundwater source located at approximately -116° 19.116, 48° 37.554.

**PLACE OF USE:** 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 |        |
| 61N | 01E | 22  |    |    | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |        |

Method of Determination: Beneficial use field exam and Arc Pro GIS aerial imagery.

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 |
|---------------------------|------------|-----|----------------------------|-----------|-----------------------------------|
| SUB-TERRAIN STORAGE POND  | N/A        | N/A | NO DAM STRUCTURE DEVELOPED | N/A       | NO OVERFLOW DEVICE                |

**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 – the irrigation storage and from storage beneficial uses were not developed under the permit; I've removed each beneficial use from the permit during licensing review.

2. Volume Calculations for Other Uses: See attached pond analysis worksheet.

**G. NARRATIVE/REMARKS/COMMENTS**

Prior to the beneficial use exam, I spoke with the Right Holder, Mr. Matt Philbrook, who notified me that the irrigation uses were not developed under the permit and only Recreation Storage and Fire Protection Storage were finalized. The Statement of Completion designated 40 acres irrigation, but Mr. Philbrook was simply re-entering the value of the permit. I have removed both the irrigation storage and irrigation from storage beneficial uses from the permit during licensing review based on this conversation and a site visit which showed no irrigation equipment associated with the pond.

I conducted the beneficial use exam on 7/23/2026 which showed a storage pond impounding in-pond ground water source for fishing and to hold water on standby to suppress any active fires in the local area. The storage pond has steep banks and two deep pools interconnected by a shallower segment in the midway of the pond. I didn't observe any dedicated overflow devices and based on the natural vegetation it appears the pond doesn't normally overbank. In the event it does a small swale routes eastward which would allow overflow to drain naturally.

During licensing review, I prepared a current Pond Analysis Worksheet to analyze approximate volume considering capacity and evaporative loss volume(s). Due to the ground water interface, there is no seepage volume loss factored in the analysis sheet. The pond is 0.5 acres in surface area, has a maximum depth of 30 ft, an average depth of 15 ft, a pond capacity of 7.5 af and an estimated evaporation loss of 0.6 af annually. I used a Bonners Ferry weather station to obtain historic evaporative loss rates linked to the pond analysis worksheet and collected off the ET-IDWR website.

The total volume required to maintain the pond full annually equals **8.1 af**, which is recommended for licensing. This volume is reduced from the 11.7 af that was permit approved, but this is reasonable considering the pond analysis at time of filing was based on a 0.9 ac surface area, which has been reduced at time of licensing to 0.5 ac. Each beneficial use's annual volume is not additive toward the maximum diversion volume for licensing purposes which equals 8.1 af.

During licensing review, I removed condition 26A based on compliance by the right holder. Condition R58 was removed as irrigation uses were not developed. I replaced condition 259, which included multiple fills, with 219 to describe the ponds volume values. I revised condition 220 to accurately describe the pond's surface acreage and pond capacity. All other conditions on the permit are being carried forward to licensing.

Overlapping water right review shows that Cabinet Mtn Water District holds large POU municipal water rights which encompass the right holder's property & storage pond, but there are no overlapping concerns toward licensing Permit 98-8014.

The Right Holder submitted the Statement of Completion form, received on 6/9/2025, which is prior to the commencement of the Kootenai River Basin Adjudication (KRBA) process that occurred on 3/6/2026. The Right Holder is required to file a Notice of Claim based on "License" to pursue a court decreed WR for 98-8014. I notified Mr. Philbrook of this requirement throughout my field exam process so that he is aware of the requirement.

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> |
|-------------------------|----------------------|----------------------|
| RECREATION STORAGE      | 01/01 to 12/31       | 8.1 AF               |
| FIRE PROTECTION STORAGE | 01/01 to 12/31       | 8.1 AF               |

Totals: 8.1 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

#### I. AUTHENTICATION

Luke Bates – Sr. Water Resource Agent

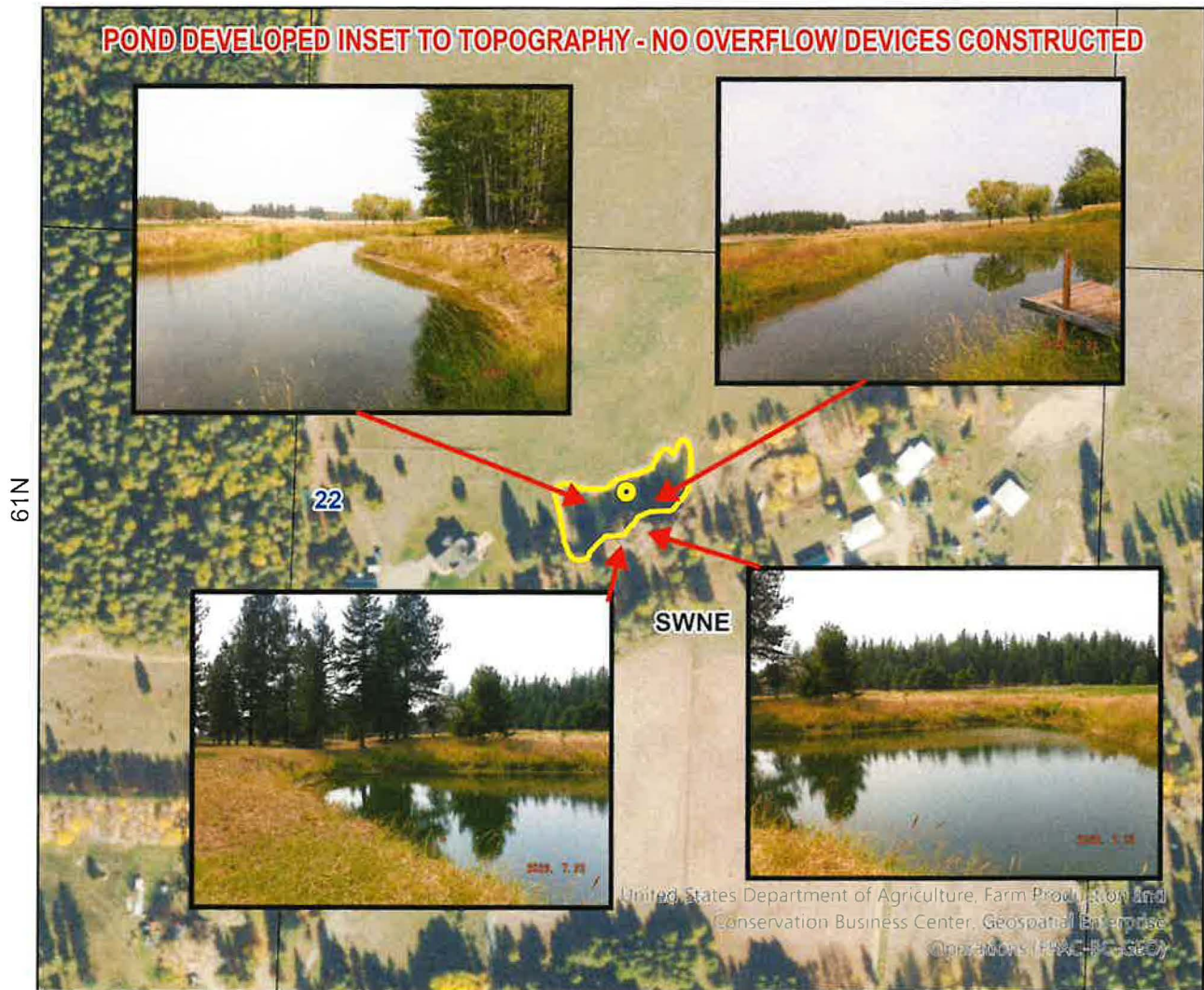
Field Examiner's Name LS DB Date 7/28/2026

Reviewer [Signature] Date 8-10-26

State of Idaho  
Department of Water Resources  
**Attachment to Field Exam**  
98-8014

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

01E



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



0 0.04 0.09 0.14 0.18 Miles



Imagery: 2023 Aerial Photography  
Prepared By Bates, Luke

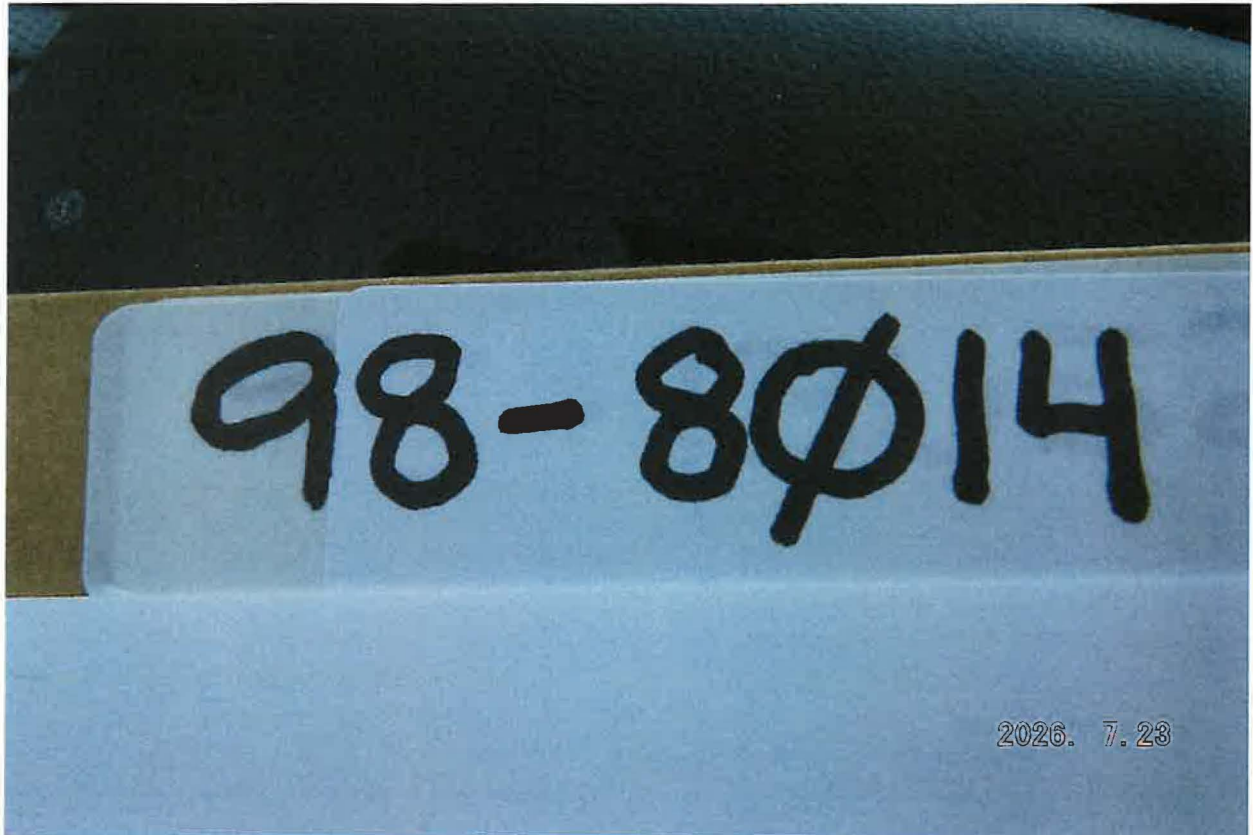
## Total Storage Calculations

|             |            |
|-------------|------------|
| FILE NUMBER | 98-8014    |
| REVIEWER    | LUKE BATES |
| DATE        | 7/23/2026  |

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.)                                                                           | 0.5 | "Surface Area" is automatically carried over from the "Seepage Loss" sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Average Pond Depth (FT.)                                                                     | 15  | "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)                                                                           | 7.5 | 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.<br><b>Note:</b> 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).<br><b>Note:</b> You must have a " <u>From Storage</u> " 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)                                                              | 0.6 | The "Estimated Evaporation Loss" is automatically carried over from the "Evaporation Loss" sheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Total Volume Required (AF)                                                                   | 8.1 | 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 7/23/2026



POD – IN-POND GROUND WATER SOURCE



POU – RECREATION STORAGE & FIRE PROTECTION STORAGE; WESTERN POOLING  
OF POND IS 30-FT DEEP AND POND GETS SHALLOWER TOWARD THE EASTERN  
EXTENT OF POND





STEEP EMBANKMENT SLOPE LIKELY 3-TO-1 OR LESS



POU – STORAGE POND EASTERN POOLING IS 25-FT DEEP



POU – STORAGE POND





STEEP EMBANKMENT SLOPE



POU – STORAGE POND EASTERN POOLING IS 25-FT DEEP