

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-24202
Exam Date: 05/08/2025

1. Current Owner:
DOUGLAS HANEBOG 6002 N SERENITY LN MERIDIAN ID 83646-5062
2. Accompanied by: Doug Haneborg via phone call
Phone No: (208) 869-7296
Address: 6002 N Serenity Ln. Meridian, ID 83646
Relationship to permit Holder: Owner

3. **SOURCE:**
GROUND WATER

Method of Determination: Proof of Beneficial Use, In-person Field Exam

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
N/A	N/A	N/A	N/A

Comments: This recreation storage pond is solely utilized for recreation storage for right # 65-24202.

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

Water Right No.	Source	Purpose of Use	Basis
N/A	N/A	N/A	N/A

Comments: This recreation storage pond, which exposes groundwater, is solely utilized for recreation storage under right 65-24202 and does not divert groundwater to any other systems for beneficial use.

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

GROUND WATER L4 (NW $\frac{1}{4}$ NW $\frac{1}{4}$), Sec. 4, Twp 16N, Rge 03E, B.M. VALLEY County
44.75984 -116.10443

Method of Determination: In-person field exam, OnX GPS

PLACE OF USE: RECREATION 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	
16N	03E	4						X L4											

Method of Determination: In-person fieldexam, OnX GPS

3.

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

N/A Indicate weir size/pipe as applicable.

X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

X Aerial Photo Attached (required for irrigation of 10+ acres).

X Photo of Diversion 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 flow measurements were collected, as no elements of the system include flow.

E. FLOW CALCULATIONS

This right includes volume with no flow, since the pond infiltrates groundwater.

F. VOLUME CALCULATIONS

1. Volume Calculations for recreation storage:

The owner stated that the pond was 15 feet deep maximum. The pond was not photographed in any aerial imagery belonging to ArcMap, Google Earth, or OnX. During the field exam, I marked a waypoint on OnX map every 20-50 feet as I walked the perimeter of the pond. The surface area of the pond was calculated by moving the GPS points to ArcMap and drawing a place of use boundary using the waypoints.

1.37-acre surface area * 0.4 * 15 ft depth = 8.2 acre-feet

Using precipitation deficit data collected by ETIdaho McCall weather station, the annual evaporative losses at the site of the pond were calculated (figure 4).

(463.1 mm/yr / 304.8) * 1.37 acres = 2.1 AFA evaporative losses

G. NARRATIVE/REMARKS/COMMENTS

A permit for 10.3 AFA groundwater for recreation storage was approved on September 11, 2023. Proof of beneficial use was received by the department on October 1, 2024 and a field exam was conducted on May 8, 2025. The field exam was conducted without the owners presence but was preempted with a phone call answering my questions about the development period and the pond structure.

The pond was dug out in the summer of 2024 and reaches a maximum depth of 15 feet. At the time of the field exam and report, satellite imagery belonging to ArcMap, Google Earth, and OnX did not yet include the pond. Figure 2, which includes an aerial image of the pond, was provided to me by the owner. During the field exam, I walked the perimeter of the pond, collecting GPS coordinates by dropping waypoints in OnX every 20-50 feet. The waypoints were later used to draw an outline of the pond in ArcMap which was used to measure the surface area and update the place of use for licensing. The surface area was measured to be 1.37 acre, which was used to derive a capacity volume of 8.2 acre-feet in Item F. Pond loss analysis was conducted to determine the evaporative loss to include 2.1 AFA, though seepage was not included as the pond fills with groundwater (figure 4). The total volume to be licensed is 10.3 AFA.

As department standards suggest, condition 121 was replaced with 103. Conditions 219 and 220 were updated to reflect accurate pond capacity and evaporative losses during the development period. While the surface area and capacity increased, storage volume decreased, and evaporative losses did not change. The total volume totals 10.3 acre-feet, the permitted volume and the owner of right 65-24202 is considered compliant with conditions 219 and 220.

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	10.3 AF

Totals: 10.3 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 Kate Englund - Water Resource Agent

Field Examiner's Name Kate Englund Date May 9, 2025

Reviewer  Date 05-15-25

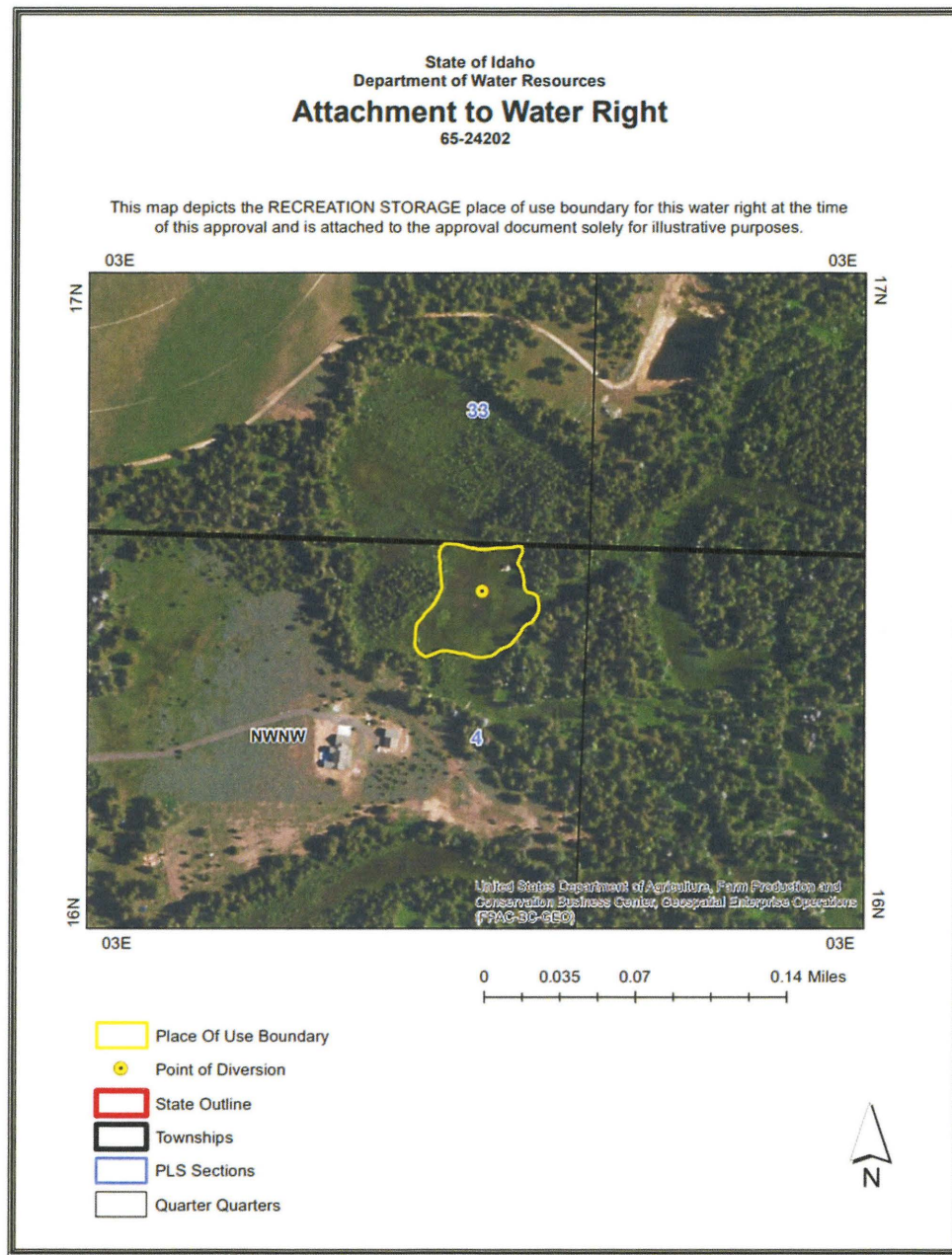


Figure 1 Map showing the place of use boundary and point of diversion location at the time of the approval of license 65-24202.



Figure 2 Aerial image of recreation storage pond provided by owner.



Figure 3 North facing photo of recreation storage pond.

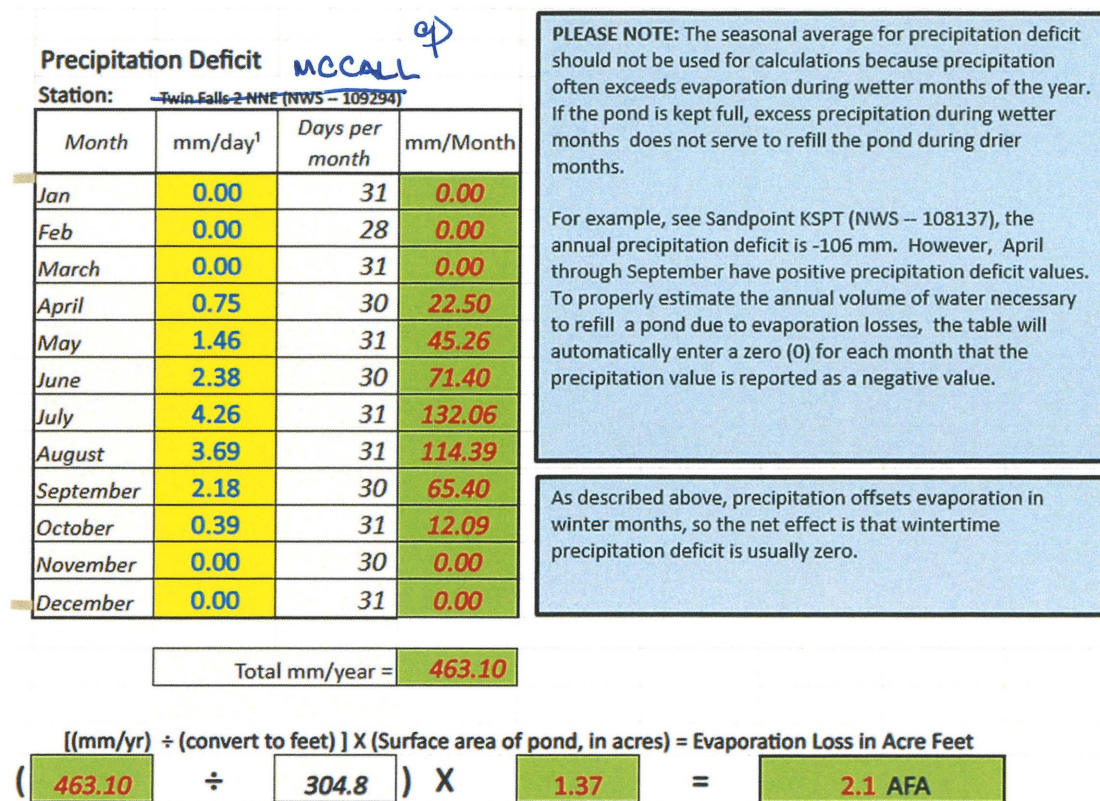


Figure 4 Annual evaporative losses near ETIdaho McCall NWS USC00105708 weather station. Volume is measured in acre-feet per year for a pond with a surface area of 1.37 acre.