

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Exam Date: 11/26/2024

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? X Y ____ N
 a. ____ Irrigation of 5 acres or less
 b. ____ Storage of up to 14.6 AF for stockwater purposes only
 c. X Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 d. ____ Other < >
 2. Current Owner: 1509 LLC
 Owner of Record Correct? X Y ____ N
 Address of Record Correct? X Y ____ N
 If No Explain:
 3. Beneficial Use Fees have been paid: X Y ____ N Receipt No: N045093
 4. Source: _____ Tributary: _____
 Spring _____ Sinks _____

Method of Determination: GIS, Tax Parcel Data, and the Permit Holders Statement of Completion for Proof of Beneficial Use (Proof Statement).

Change in Source: Y X N

B. OVERLAP REVIEW

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

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

Comments: Water Permit 86-12168 overlaps the proposed place of use and is owned by the permit holder. However, since it is still an active permit any overlap concerns should be addressed when 86-12168 is reviewed for licensing.

2. Other water rights with the same point of diversion: X No Overlap

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

Comments: There are no other water rights diverting from the authorized point of diversion.

C. DIVERSION AND DELIVERY SYSTEM

1. Location of Point(s) of Diversion:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Spring		SE	NW	SW	8	40N	02W	B.M.	Latah

Method of Determination: GIS and Idaho Tax Parcel Data.

Change in POD? Y X N Amendment Required? Y X N

2. Place of Use: Domestic, Stockwater, and Fire Protection

[illegible]

Method of Determination: GIS, Idaho Tax Parcel Data, 2023 NAIP Aerial Imagery, July 2022, September 2023 Google Earth Aerial Imagery, and June 2024 Google Earth Streetview Imagery.

Change in POU? Y X N Amendment Required? Y X N

3. Diversion System Information:

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

 X Aerial Photo indicating the location of the recommended POD and POU.

 X Aerial Photo Attached (required)

3. Diversion Id No.*	Motor Make	HP	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
N/A					

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1. Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
N/A						

2. Measurement Comments: The permit holder did not provide a pump horsepower. Therefore, a theoretical diversion rate calculation is not possible.

E. FLOW CALCULATIONS

 Additional Computation Sheets Attached

Measured Method: Since the permit holder did not provide a pump horsepower a theoretical diversion rate calculation was not possible. According to Administrative Application Processing Memo #22 the standard diversion rate for a single-family home is 0.04 cfs. Stockwater development was confirmed using Google Earth Aerial and Streetview Imagery. According to the permit holders Proof Statement they provide water for 40 range cow calf pairs. This would be equivalent to 60 cows (40 cows + (40 calves / 2) since a calf can be considered roughly half the size and would roughly consume half of a full-sized cow. The permit authorizes water for 50 mixed livestock. Since the permit holder confirmed that only range cattle are watered then the standards for range cattle should be used to determine a recommended diversion rate. According to Administrative Application Processing Memo #3 the standard diversion rate for 50 range cattle is 0.02 cfs. I am recommending a diversion rate of 0.04 cfs for domestic use, 0.04 cfs for fire protection, and 0.02 cfs for stockwater use. The total diversion rate on the permit is not additive and is limited to 0.04 cfs. Therefore, I am recommending a total diversion rate of 0.04 cfs.

Administrative Application Processing Memo #22 Standard = 0.04 cfs

Administrative Application Processing Memo #3 Calculation = 0.02 cfs

Permit Authorized = 0.04 cfs

Total Recommended Diversion Rate: 0.04 cfs

F. VOLUME CALCULATIONS

2. Volume Calculations for Other Uses: According to Administrative Application Processing Memo #22 the standard diversion rate for a single domestic use is 0.6 af for in-house use and 0.6 for up to ½ an acre of yard irrigation or 1.2 af total. The permit holder confirmed they water 40 cow calf pairs, equivalent to roughly 60 cows. This is greater than authorized number of animals on the permit, 50 mixed livestock. Therefore, I recommend the total diversion volume be based on 50 mixed livestock. Since the permit holder confirmed only range cows are watered standards for range cattle should be used to determine a recommended annual diversion volume. According to Administrative Application Processing Memo #3 the standard annual diversion volume for 50 range cattle is 0.7 af. According to the IDAPA Beneficial Use Examination Rules 37.03.02.0.35.01j.iv if a permit authorizes fire protection an authorized annual diversion volume is not required at licensing for that use. Therefore, I am recommending 1.2 af for domestic use and 0.7 af for stockwater use or 1.9 af total.

G. PURPOSE OF USE

Irrigation: X Y N # Stock: 50 Range Cattle Domestic # of Homes: 1

Other: Fire Protection

Change in Purpose of Use? Y X N

Method of Determination: GIS, Idaho Tax Parcel Data, 2023 NAIP Aerial Imagery, July 2022, September 2023 Google Earth Aerial Imagery, June 2024 Google Earth Streetview Imagery, and the permit holders Proof Statement.

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-office examination. According to Idaho Tax Parcel Data the property was developed in 2001. The permit authorized domestic use for one home including in-house use and up to 1/2 an acre of yard irrigation, stockwater for 50 mixed livestock, and fire protection. According to 2023 Aerial Imagery a home and up to 1/2 of yard irrigation was developed. The permit holder confirmed they provide water for 40 range cow calf pairs, equivalent to 60 range cows, on their Proof Statement. July 2022, September 2023 Aerial and June 2024 Google Streetview Imagery corroborated the permit holders Proof Statement. Since the permit holder confirmed they only water range cattle I recommend the standards set for range cattle should be used determining a diversion rate and annual volume recommendation. Since the permit holder did not provide a pump horsepower a theoretical diversion rate calculation was not possible. The standards set in Administrative Application Processing Memo's #3 and #22 were used to determine a diversion rate and volume recommendation for domestic and stockwater use. Since the permit authorizes fire protection an annual diversion volume is not required according to the IDAPA Beneficial Use Rules 37.03.02.035.01j.iv. All of the conditions have been met, and development of beneficial use was confirmed within authorization of the permit.

Conditions X01, 187, and 077 should remain on the license. Condition X02 should be removed as standard with licensing. Condition 004 should be removed because Idaho Tax Parcel Data confirmed there are no legal access concerns to point of diversion or place of use.

Have conditions of permit approval been met? ☒ Yes ☐ No

I. RECOMMENDATIONS

1. Recommended Amounts:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Domestic	01/01-12/31	0.04 CFS	1.2 AF
Stockwater	01/01-12/31	0.02 CFS	0.7 AF
Fire Protection	01/01-12/31	0.04 CFS	
	<u>Totals:</u>	0.04 CFS	1.9 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

J. AUTHENTICATION

Field Examiner: **Skyler Cheever – Water Resource Agent, Sr**

Field Examiner's  Date 8/15/2025

Reviewer  Date 8/19/25

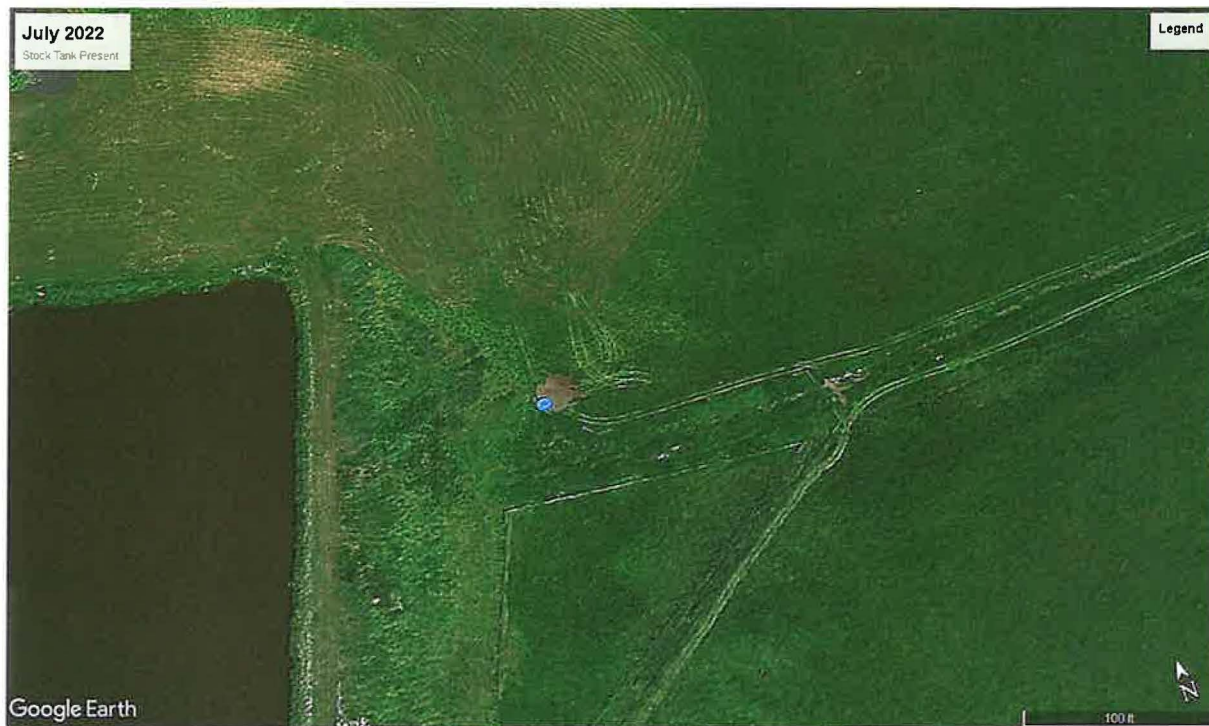
Field Exam Map

Map showing the authorized point of diversion (yellow point) and domestic, stockwater, and fire protection place of use (orange outline).



Google Earth Aerial Imagery

From July 2022: Stock tank present near the point of diversion (blue circle to the east of the pond pictured)



From September 2023: Stock tank still present with signs of livestock activity in and going towards the water source. There are multiple cow trails going too and from the stock tank.



Google Earth June 2024 Street View Imagery

Cattle Present near the stock tank shown in the July 2022 Google Earth Aerial Imagery and September 2023 Aerial Imagery.

