

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

A. GENERAL INFORMATIONExam Date: 1/3/2025

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? X Y N
- X Irrigation of 5 acres or less
 - Storage of up to 14.6 AF for stockwater purposes only
 - Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >
2. Current Owner: Silvius Family Trust
- 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: C119673
4. Source: Groundwater Tributary: N/A

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

Change in Source: Y X N

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
96-7011	Lake Pend Oreille	Domestic	License, Claim
96-8953	Lake Pend Oreille	Municipal	License, Claim
96-12423	Groundwater	Domestic	Claim

Comments: Water rights (WR) 96-7011, 96-8953 and adjudication claim 96-12423 overlaps the permitted place of use (POU). However, since WR's 96-7011 and 96-8953 authorize domestic and municipal use from a different source there is no reason to limit this permit when combined with those WR's. Adjudication claim 96-12423 also overlaps the permitted POU, authorizes the same beneficial use, and is owned by the permit holder. I recommend a condition be added reducing on the license by the recommended amounts of 96-12423 if it's decreed.

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

Water Right No.	Source	Purpose of Use	Basis
96-12423	Groundwater	Domestic	Claim

Comments: Adjudication claim 96-12423 overlaps the permitted point of diversion (POD), authorizes the same beneficial use, and is owned by the permit holder. I recommend a condition be added reducing on the license by the recommended amounts of 96-12423 if it's decreed.

C. DIVERSION AND DELIVERY SYSTEM

1. Location of Point(s) of Diversion:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Groundwater			SE	SE	3	57N	01W	B.M.	Bonner

Method of Determination: GIS, Well Log, and Idaho Tax Parcel Data.

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

2. Place of Use: Irrigation, Domestic

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
57N	01W	3																0.4, D	0.4
		Lot #																	
Total Acres =																			0.4

Method of Determination: GIS, Idaho Tax Parcel Data, 2024 Bonner County Aerial Imagery, 2023 NAIP Aerial Imagery, June 2025 Google Earth Aerial Imagery, and a phone conversation with the permit holder on August 15th, 2025.

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 (Required).

 X Additional Aerial Photography

 Photo of Diversion and System Attached

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 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. According to Administrative Application Processing Memo #17 the standard diversion rate/acre for the irrigation of 5 acres or less is 0.03 cfs/acre. I am recommending a 0.04 cfs diversion rate for domestic use and 0.01 cfs for irrigation or 0.05 cfs total.

$(0.4 \text{ acres}) * (0.03 \text{ cfs/acre}) = 0.012 \text{ cfs}$ or 0.01 cfs rounded.

Administrative Application Processing Memo #17 Calculation = 0.01 cfs

Administrative Application Processing Memo #22 Standard = 0.04 cfs

Permit allowed = 0.14 cfs

Total Recommendation = 0.05 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (0.4 \text{ acres}) \times (3.0 \text{ af/acre}) = 1.2 \text{ af}$

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = (0.01 \text{ cfs}) \times (214 \text{ days}) (1.9835 \text{ af/day}) = 4.2 \text{ af}$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1.2 \text{ af}$

2. Volume Calculations for Other Uses: The permit authorizes domestic use with a separate irrigation portion. According to Administrative Application Processing Memo #22 the standard diversion volume for a single in-house domestic use is 0.6 af. I am recommending a 0.6 af diversion volume for domestic use and 1.2 af for irrigation or 1.8 af total.

G. PURPOSE OF USEIrrigation X Y N # Stock N/A Domestic # of Homes 1Change in Purpose of Use? Y X N

Method of Determination: GIS, Idaho Tax Parcel Data, 2024 Bonner County Aerial Imagery, 2023 NAIP Aerial Imagery, June 2025 Google Earth Aerial Imagery, the permit holders Proof Statement, and a phone conversation with the permit holder on August 15th, 2025.

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-office examination. According to Idaho Tax Parcel Data the property was developed in 2015. The permit authorized in-house domestic use for one home and the irrigation of 5 acres. Adjudication claim 96-12423 overlaps the permitted POU and POD and is owned by the permit holder. I recommend a condition be put on the license reducing the WR by 96-12423's recommended amounts if decreed by the CFPRBA court. After an initial review of 2024 Bonner County Aerial and 2023 NAIP Aerial Imagery it was difficult to confirm the total amount of irrigation occurring within the permitted POU beyond the vicinity of the home due to dense tree cover. After a phone conversation with the permit holder on August 15th, 2025, the permit holder confirmed irrigation was occurring around the home and for 6 fruit trees within a meadow clearing that is visible using aerial imagery. June 2025 Google Earth Aerial Imagery provided the clearest picture of where irrigation was occurring. Although that point in time is beyond the Proof Statement submittal date the permit holder confirmed the amount of irrigation conducted before and after proof submittal was unchanged.

2024 Bonner County Aerial Imagery, June 2025 Google Earth Aerial Imagery and the permit holder confirmed 0.4 acres of irrigation and in-house domestic use for one home was developed. 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 Memos #22 and #17 aided in determining a recommended diversion rate and volume. All the conditions have been met and development of beneficial use was confirmed within authorization on the permit.

Condition 132 should remain on the license. Condition 928 should be added to the license because the permit holder has an active adjudication claim for a similar use, authorized POU, and POD. Condition R62 should be changed to X31 because irrigation is less than 1 acre. Condition 26A should be removed as standard with licensing. Condition 046 should be removed because the permit holder had a well drilled meeting the well drilling requirements of Idaho Code §42-235 and applicable Well Construction rules of the Department. Condition 004 should be removed because of confirmation there are no legal access concerns to the POD or POU.

Have conditions of permit approval been met? X 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	0.6 AF
Irrigation	04/01-10/31	0.01 CFS	1.2 AF
	<u>Totals:</u>	0.05 CFS	1.8 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**J. AUTHENTICATION**Field Examiner: **Skyler Cheever – Water Resource Agent, Sr – State Office**

Field Examiner's



Date

8/18/2025

Reviewer

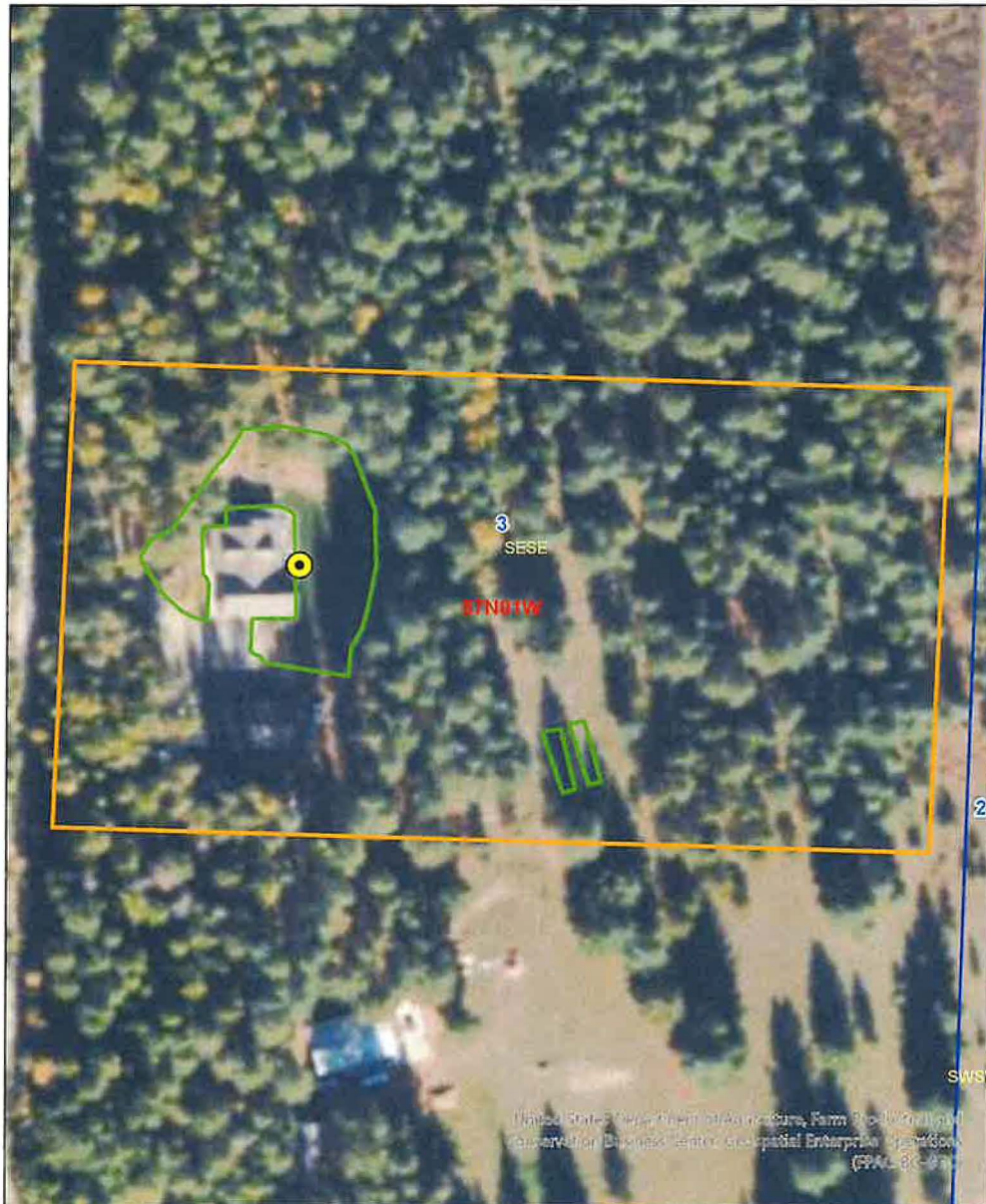


Date

9/4/25

Field Exam Map

Map showing the authorized point of diversion (yellow point), domestic place of use (orange outline) and irrigated place of use (green outline).



2024 Bonner County Aerial Imagery

96-9782 Place of Use



June 2025 Google Earth Aerial Imagery

