

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

**A. GENERAL INFORMATION**Permit No: 95-17882

Exam Date: 10/28/2020

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? X Y \_\_\_ N  
 a. Irrigation of 5 acres or less  
 b. Storage of up to 14.6 AF for stockwater purposes only  
 c. Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less  
 d. Other

2. Current Owner: Name: William R. Ranney and Tara L. Ranney  
 Owner of Record Correct? X Y \_\_\_ N  
 Address of Record Correct? X Y \_\_\_ N  
 If No: Address

3. Beneficial Use Fees have been paid: X Y \_\_\_ N Receipt No: C109223

4. SOURCE TRIBUTARY

Groundwater

Method of Determination: GIS and Taxlot Data

Change in Source: \_\_\_ Y \_\_\_ X \_\_\_ N

**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
95-17462	Groundwater	Irrigation	License
95-13035	Groundwater	Stockwater & Domestic	Decree
95-2093	Groundwater	Irrigation	License
95-7045	Groundwater	Irrigation	License

Comments: Right 95-17462 overlaps with the NW corner of the POU for this permit. Right 95-17462 authorizes the use of water for irrigation from a well and is owned by Lynn and Cheryl Humphreys. This right uses a pivot and handlines to disperse water. As the pivot moves across the POU, it crosses into the permit's POU slightly. I called the permit holders on 10/28/2020 to inquire about this overlap and spoke to William Ranney. Mr. Ranney informed me that the Humphreys are his in-laws and he allows their pivot to cross the NW corner of his parcel so that the pivot can fully to irrigate portions of the POU for right 95-17462 in the SENW and NESW QQ's of Sec. 1, T50N, R06W. Mr. Ranney also informed me that this pivot does not irrigate the POU for this permit. Some residual water or spray does fall on the pasture area but not enough to make a beneficial use of water. Right 95-17462 was licensed with condition 004 so if the Humphreys sold their right, the new owners would not have a right to have the pivot cross the corner of the Ranney's property. The original application for 95-17462 included a written agreement from the Ranney's allowing the Humphreys to apply water to their land using a center pivot irrigation system. Although this agreement implies that the NW corner of the permit's POU is irrigated from another right, Mr. Ranney stated that any water received from the pivot is not enough to grow anything or constitute a beneficial use.

The permit holders also owns water right 95-13035 which is located on the same parcel as this permit. It authorizes stockwater and domestic uses from the well on the property. However, the POU for right 95-13035 does not overlap with the POU for this permit. The irrigation around the home is covered under the domestic component of right 95-13035.

In addition, water rights 95-2093 and 95-7045 indirectly overlap with the POU.

2. Other water rights with the same point of diversion: Yes Overlap

Water Right No.	Source	Purpose of Use	Basis
95-13035	Groundwater	Stockwater & Domestic	Decreed

Comments: Domestic and stockwater right 95-13035 shares the well that is used by this permit. The well was drilled by

Bronson Water Wells on 8/26/1997 when the home was built. 2020 Kootenai parcel data shows that the home was constructed in 1997. It is safe to assume that the well was drilled when the home was built. The well is associated with metal tag No. D0003186.

### C. DIVERSION AND DELIVERY SYSTEM

#### 1. LOCATION OF POINT(S) OF DIVERSION:

Source	Govt. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.		County
Groundwater			NW	SE	1	50N	06W	B.M.	Kootenai
								B.M.	
								B.M.	

Method of Determination: GIS and Tax lot data.

Change in POD?   X   N Amendment Required?   X   N

#### 2. PLACE OF USE: Use: Irrigation

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	6W	1																	
		Lot #			2.5														2.5
Total Acres =																			2.5

Method of Determination: GIS & Tax lot data

Change in POU?   X   N Amendment Required?   X   N

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

Indicate weir size/pipe as applicable.

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

   Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0003186	Unknown				

\*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
NONE						

2. Measurements: No measurement is possible for an in-house exam. Nor is it required per IDAPA Rule 37.03.02.035.01.r.iii

**E. FLOW CALCULATIONS**

\_\_\_\_ Additional Computation Sheets Attached

Measured Method: Processing Administrative Memo # 17 authorizes 0.03 cfs per acre for the irrigation of property less than 5 acres. Based on 0.03 cfs/acre, with 2.5 irrigated acres under this permit, the recommended rate for the license is 0.08 cfs (2.5 acres X 0.03cfs = 0.075 rounded to 0.08).

Permit authorized: 0.15 cfs

License recommendation: 0.08 cfs

**F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2.5 \times 3.0 = 7.5 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .08 \times 246 \times 1.9835 = 39 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 7.5 \text{ AF}$$

2. Volume Calculations for Other Uses: N/A

**G. PURPOSE OF USE**

Irrigation ☒ Y ☐ N # Stock \_\_\_\_\_ Domestic # of Homes \_\_\_\_\_

Other: \_\_\_\_\_

Change in Purpose of Use? ☐ Y ☒ N

Method of Determination: Taxlot data and conversations with owner.

If Yes: From Use \_\_\_\_\_ To Use \_\_\_\_\_ Amount \_\_\_\_\_ CFS \_\_\_\_\_ AFA \_\_\_\_\_

**H. NARRATIVE/REMARKS/COMMENTS**

This permit qualifies for an in-house exam. Water is diverted from a single well that was drilled by Bronson Water Wells on August 26, 1997 for Willie Ranney. Based on the well driller's report, it is associated with metal tag No. D0003186 and drilling permit No. 95-97-N-96. According to ArcMap, the well and entire place of use (POU) are on property currently owned by William Ranney. There are no ownership concerns at this time. This permit was approved on September 30, 2019 for the irrigation of 5 acres, which covered the entire parcel. Upon review and a discussion with Mr. Ranney, approximately 2.5 acres of pasture in the northern portion of the parcel were irrigated under this permit.

Domestic and stockwater right 95-13035, which is also owned by the Ranney's, shares the well with this permit. The POU for this right overlapped with the permitted POU. Right 95-13035 does not overlap with the POU of this license. Kootenai County parcel records show that the house was built in 1997 which coincides with the drilling of the well and the priority of right 95-13035.

Water right 95-17462 also overlaps with this permit's POU in the NW corner of the parcel. This right uses a pivot and handlines to irrigate approximately 80 acres. The end of the pivot actually moves through the POU for this permit as it irrigates its POU. On 10/28/2020, I called the permit holders to inquire about this water right and spoke to Mr. Ranney. He informed me that the owners of right 95-17462 are his in-laws and he allows them to run the end of their pivot through the corner of his property. Although this right may overlap with the POU for this permit, Mr. Ranney stated that any residual water from the pivot is not enough to adequately provide irrigation or accomplish a beneficial use. During the same conversation, he also informed me that the irrigation under this permit only occurs on the pasture area in the northern part of the POU. The grassy areas around the home are irrigated under the domestic portion of right 95-13035.

Other nearby rights 95-2093 and 95-7045 overlap with the POD and slightly with the POU. Both rights are used for irrigation and it was determined that they do not directly overlap with this right. Rather, the POU shapefiles in ArcMap overlap with the POD and POU.

The spatial data location of the well was recorded in the wrong location. At the time of the in-house exam, the well was located in the NESW QQ of Section 1, Township 50N, Range 06W. However, the POD for this permit and right 95-13035 is logged in the neighboring QQ in the NWSE QQ of Section 1, Township 50N, Range 06W. Due to the nature of an in-house review, I could not collect GPS coordinates for the actual well location. So I requested that the permit holders send me photos of the

metal tag on the well head and a photo showing the location of the well relative to the structures on the property. Mr. Ranney sent me photos fulfilling this request. I took this information to the Groundwater Protection Section and they moved the well record to the spatial data point associated with this permit and water right 95-13035.

Conditions 1 and 2 were removed at licensing as is standard. Condition 3 (046) was removed since it is no longer necessary. Condition 4 (R66), 5 (174), 6 (01R) 7 (175) were carried to the license. Condition 8 (004) was removed from the license since ownership is no longer an issue. The permit holders own the entire parcel.

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>
Irrigation	03/15 to 11/15	0.08 CFS	7.5 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

Other:

**J. AUTHENTICATION**

Field Examiner's Name Alex D. G. Leiss Date 10/30/2020

Reviewer TPM Date 11/4/20

## Well Photos for Water Right Exam 95-17882



*Photo that William Ranney sent me of the well on his property. Well head shows metal tag No. D0003186.*



*This photo shows the location of the well head in relation to the domestic structures on the property. The structure on the left is a garage and on the right is the home. The well head is located on the north side of the garage.*