

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

A. GENERAL INFORMATION

Exam Date: 03/18/2024

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? X Y ___ N

- a. X 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: **BEVERLY JANICE MAITLAND**

Owner of Record Correct? ___ N

Address of Record Correct? ___ N

If No Explain:

3. Beneficial Use Fees have been paid: X Y ___ N Receipt No: N044270

4. Source: Tributary:

COLBURN CREEK**PACK RIVER**Method of Determination: Bonner County Maps, GIS, and Tax Parcel DataChange 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
NONE	NA	NA	NA

Comments: Rights 96-2244 (stockwater), 96-7607 (domestic) have GIS have POU areas overlapping the permit POU, but both divert from different sources and are for different beneficial uses than the permit. There are no rights overlapping the permit place of use (POU).

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

Water Right No.	Source	Purpose of Use	Basis
NONE	NA	NA	NA

Comments: There are no rights sharing the permit point of diversion (POD).**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
2-Screened Intakes at the creek			NW	NE	12	58N	02W	B.M.	BONNER

Method of Determination: GIS, and Tax Parcel Data.Change in POD? ___ Y X N Amendment Required? ___ Y X N

2. Place of 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	
58N	02W	12		2.3															2.3
		Lot#																	
Total Acres =																			2.3

Method of Determination: Bonner County Maps, GIS, and Tax Parcel DataChange in POU? ___ Y X N Amendment Required? ___ Y X N

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

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).

☐ Photo of Diversion and System Attached

3. Diversion Id No.*	Motor Make	HP	Pump Model	Pump Make	Pump Serial No. or Discharge Size
2-Screened creek intakes	Unknown	2.0	Unknown	Unknown	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	NA	NA	NA	NA	NA	NA

2. Measurement Comments: The permit holder stated that the system uses two 2-Hp pumps to divert water through hoses to sprinklers. A maximum head of about 30ft was estimated to the POU based on the DRG map.

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

A theoretical calculation and Administrative Memo #17 was used to determine a reasonable rate of diversion.

$$Q = (2 \text{ Hp})(8.8)(0.80 \text{ eff})/(30 \text{ ft lift}) + (2.31)(45 \text{ psi}) = 0.11 \text{ cfs (each diversion)}$$

Theoretical Calculation = 0.11 cfs (each diversion)

Permit allowed = 0.09 cfs

Recommendation = 0.07 cfs

Comments:

The full permitted rate of 0.09 cfs is possible with the two 2-Hp pumps. However, the total irrigated area confirmed by the permit holder in the amendment map is 2.3-acre. According to Administrative memo #17 up to 0.03 cfs per acre is standard for the irrigation of up to 5 acres. I am recommending a diversion rate of 0.07 cfs for irrigation of 2.3 acres on the license.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2.3\text{-acre} \times 3 \text{ AF} = 6.9 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.07 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 29.7 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 6.9 \text{ AF}$$

Comments:

This permit was issued for irrigation use from a natural stream/river source. According to the IDAPA Beneficial Use Examination Rules 37.03.02.35. 01j.viii a diversion volume is not required for irrigation if water is diverted from a natural flowing stream/river or spring.

G. PURPOSE OF USE

Irrigation ☒ Y ☐ N # Stock NA Domestic # of Homes NA

Change in Purpose of Use? ☐ Y ☒ N

Method of Determination: Bonner County Maps, GIS, and Tax lot Data

H. NARRATIVE/REMARKS/COMMENTS

This permit for the irrigation of 2.3 acres qualifies for an in-office examination for license. The permit holder submitted the Proof of Beneficial Use, received by IDWR on December 15, 2023, stating in section #3 that the beneficial use was developed 3 acres of irrigation. A total irrigable area of approximately 2.3 acres was identified within the parcel. However, the permit only included areas within the NWNE of section 12, which excludes the northern extent of the parcel, approximately ¼ acre of irrigation. After reviewing Bonner County parcel records, it was found that the parcel included an area within the SWSE of section 1 (Figure 1- 1992 warranty deed) An amendment of permit was mailed to the permit holder. The permit holder (Dennis Skandunas) stated that he was out of the country and would not be back until late February, but they would address the issue then. A phone conversation with the new right owner Beverly Maitland, led to an Application for Amendment being mailed to the new owner to ensure the entire property is irrigated in the license place of use. On February 20, 2024, the Department received a change of ownership for the permit from Beverly Maitland. In the deed documents submitted with the ownership change the parcel appurtenant to the permitted POU was described to be located within the NWNE of section 12. The signed Application for Amendment and fee payment were received from the permit holder on March 11, 2024. As the entire parcel appurtenant to the permitted place of use is identified as within the area described in the permit an amendment is not necessary before the license can be processed. I returned the amendment and

requested the associated fee be refunded to the permit holder. I recommend the license be issued for 2.3 acres of irrigation within the appurtenant parcel, as described by the permit holder and supported and by GIS 2023 imagery (see Figures 2 & 3).

Administrative memo #17 allows 0.03cfs per acre for the irrigation of up to 5 acres of irrigation. I recommend a rate of 0.07cfs on the license, as per small acreage irrigation guidance. The recommended license is for irrigation use from a natural stream/river source. According to the IDAPA Beneficial Use Examination Rules 37.03.02.35. 01j.viii a diversion volume is not required for irrigation if water is diverted from a natural flowing stream/river or spring.

I recommend the license be issued with a rate of 0.07cfs and conditions R66,X15, X16, 227, and 004.

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	04/01 TO 10/31	0.07CFS	Not Reported
	<u>Totals:</u>	0.07CFS	Not Reported

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- Bob Howe- Water Resource Agent

Field Examiner's Bob Howe Date 7/19/24

Reviewer P. Howe Date 7/19/24



AFTER RECORDING, MAIL TO GRANTEE.
FATCO #92404/92404

First American Title Company

First American Title

'92 AUG 28 PM 3 10
9200

RECEIVED
CCU. 52 DEP.

411274

WARRANTY DEED

For Value Received

MICHAEL L. LUDOLPH and BOBBIE L. LUDOLPH, husband and wife

the grantors, do hereby grant, bargain, sell, and convey unto

DENNIS SKANDUNAS and JUDY SKANDUNAS, husband and wife

the grantees, whose current address is

200 Box 20, Colburn, ID 83865

the following described premises, to-wit:

PARCEL I:

A tract of land in the Northwest Quarter of the Northeast Quarter of Section 12, Township 58 North, Range 2 West, Boise Meridian, Bonner County, Idaho, more fully described as follows:

From the Northwest corner of said Northwest Quarter of the Northeast Quarter; thence South 88°11'22" East along the North line of said Northwest Quarter of the Northeast Quarter a distance of 255.07 feet to the True Point of Beginning; thence continuing South 88°11'22" East a distance of 514.72 feet more or less to an intersection with the Westerly right of way line of the Burlington Northern Railway; thence South 28°59'44" West along said right of way line a distance of 470.38 feet; thence North 61°01'16" West along said right of way line a distance of 100.0 feet; thence South 28°58'44" West along said right of way line a distance of 127.09 feet; thence leaving said right of way line North 72°37'56" West a distance of 178.63 feet; thence North 00°23'23" East a distance of 366.37 feet; thence Southeasterly along a curve whose chord bears South 72°46'13" East 31.33 feet a distance of 31.34 feet; thence North 00°23'23" East a distance of 80.08 feet to the True Point of Beginning.

PARCEL II:

All that portion of the South Half of the Southeast Quarter of Section 1, Township 58 North, Range 2 West, Boise Meridian, Bonner County, Idaho; lying Westerly of the right of way of the Burlington Northern Railway; EXCEPTING THEREFROM the following described tract:

Beginning at the intersection of the Westerly right of way line of the Burlington Northern Railway and the North line of the South Half of the Southeast Quarter of said Section, the True Point of Beginning; thence South 28°56'44" West along said right of way line a distance of 155.21 feet, thence leaving said right of way line North 88°15'39" West a distance of 280.0 feet; thence North 01°44'21" East a distance of 138.00 feet to the North line of said South Half of the Southeast Quarter; thence South 88°15'39" East along said North line a distance of 351.04 feet to the True Point of Beginning; Parcel II being:

TOGETHER WITH that certain EASEMENT as granted by Instrument No. 385601, recorded January 22, 1991, records of Bonner County, Idaho;

Figure 1-Warranty Deed- South of SWSE identified in the 1992 deed, but not named separately in any other deed after sale to permit holder.



Figures 2 & 3- GIS 2023 Imagery of the measured permitted Irrigation POU outlined in yellow (top image). Measurement of the irrigated areas within the appurtenant parcel boundary, including area in the SWSE of section 1 (bottom image).