

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

**A. GENERAL INFORMATION**Permit No: 97-8484

Exam Date: 8/16/2022

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. Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
  - d. Other <     >
2. Current Owner: Name: Collin McCoy  
Owner of Record Correct?    X    Y    N  
Address of Record Correct?    Y    N  
If No: Address

The Department's parcel data shows Collin McCoy as the owner of this property. There doesn't appear to be any issues with ownership.

3. Beneficial Use Fees have been paid:    X    Y    N Receipt No: N040639

4. **SOURCE** TRIBUTARY  
Priest River Pend Oreille River  
Method of Determination: GIS and Tax Parcel 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              |
|-----------------|--------------------|----------------|--------------------|
| 97-7066         | Pend Oreille River | Municipal      | Adjudication Claim |
|                 |                    |                |                    |
|                 |                    |                |                    |

Comments: Adjudication claim 97-7066 for the City of Priest River has a service area place of use that includes the 40-acre tract where this permit is located. There is no known wells on the property. It is unclear whether the in-house use is from a well or from the city system. There is one other permit in the general area, but it isn't even close to the parcel involved in this permit.

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

| Water Right No. | Source | Purpose of Use | Basis |
|-----------------|--------|----------------|-------|
|                 |        |                |       |
|                 |        |                |       |

Comments: There are no other water rights using this 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 |
|------------------------|-----------|---|----|----|------|------|------|------|--------|
| Priest River Diversion |           |   | NW | SE | 24   | 56N  | 5W   | B.M. | Bonner |
|                        |           |   |    |    |      |      |      | B.M. |        |
|                        |           |   |    |    |      |      |      | B.M. |        |

Method of Determination: GIS and Tax Parcel 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 |        |
| 56N           | 5W  | 24    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.2 |    |    | 0.2    |
|               |     | Lot # |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |        |
| Total Acres = |     |       |    |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    | 0.2    |

Method of Determination: GIS and Tax Parcel DataChange 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 |
|------------------------------------------|------------|----|------------------|-----------|-----------------------------------|
| River Pump                               | 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 required for an in-house exam.

**E. FLOW CALCULATIONS**

\_\_\_Additional Computation Sheets Attached

Measured Method:

There was no information submitted with the application for permit to determine the flow rate for the well. Therefore, I am required to fall back on the standard for small irrigation use set forth by Administrative Processing Memo #17 for the 0.5 acres of irrigation. and the stockwater use set forth by Administrative Processing Memo #3. The application for permit states that there will be one home, and less than 3 horses.

**Administrative Memo #17 = 0.03 cfs/acre X 0.2 = 0.006 cfs rounded to 0.01 cfs**

**Permit allowed = 0.03 cfs for irrigation use**

I am recommending 0.03 cfs for irrigation use based on the limits imposed by the permit. Most small water system are designed to supply 12 gpm or 0.02673 cfs for domestic yard type sprinkler system. Since this permit was permitted above the standard of 0.01 cfs (0.03 cfs/acre X .3 acres = 0.009 cfs), I am recommending that the diversion rate of 0.03 cfs be carried forward to licensing, because it was probably developed at this rate.

**F. VOLUME CALCULATIONS**

## 1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.2 \text{ acres} \times 3.0 \text{ af/ac} = 0.6 \text{ acre-feet}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 12.7 \text{ acre-feet}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 0.6 \text{ acre-feet}$$

**Please Note: This permit is for irrigation from a river, so no volume is required per the Beneficial Use IDAPA Rule 37.06.02.035.01.j.**

## 2. Volume Calculations for Other Uses:

N/A

**G. PURPOSE OF USE**Irrigation ☒ Y \_\_\_ N # Stock \_\_\_\_\_ Domestic # of Homes \_\_\_\_\_

Other: &lt; &gt;

Change in Purpose of Use? \_\_\_ Y \_\_\_ N

Method of Determination: Taxlot data and GIS

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

**H. NARRATIVE/REMARKS/COMMENTS**

This permit qualifies for an in-house examination. This permit authorized the irrigation of up to 0.3 acres from the Priest River. Only 0.2 acres of irrigation were developed. The non-irrigated portions of this property are all driveways and buildings, so there isn't that much lawn area available.

The Statement of Completion for Submitting Proof of Beneficial Use statement stated that a fish screen was installed, so condition 029 should not be carried forward to licensing.

Conditions 004 and 227 should be carried forward to licensing. Condition R66 should be replaced by condition X31 as is standard. As stated above, condition 029 is no longer needed. No further conditions are required for the licensing of this permit.

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       | 0.03 CFS              |                      |
| <u>Totals:</u>        |                      | 0.03 CFS              |                      |

**Please Note:** This permit is for irrigation from a river, so no volume is required per the Beneficial Use IDAPA Rule 37.06.02.035.01.j.

**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 – DANIEL A. NELSON – WATER RIGHT ANALYST 3**

Field Examiner's Name



Date

8-16-22

Reviewer



Date

8/16/22

## Field Exam Map:

The yellow border shows the place of use and the yellow point shows the point of diversion. The parcel boundaries are shown in green. You can see that the aerial imagery and the tax parcel data don't appear to be properly aligned. I drew the shape file based on the imagery instead of the tax parcel lines.

