

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

**A. GENERAL INFORMATION**Permit No: 95-15115Exam Date: 12/7/2016

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? X Y    N
- 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: Name: Michael or Arwen Beerman
- Owner of Record Correct?    X    Y    N
- Address of Record Correct?    Y    N
- If No: Address

Tax lot data shows Michael J. Beerman as the owner of the property.

3. Beneficial Use Fees have been paid:    X    Y    N Receipt No: C0

4. **SOURCE**    **TRIBUTARY**

Coeur D' Alene Lake

Spokane River

Method of Determination: GIS, and Taxlot DataChange 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 |
|-----------------|--------|----------------|-------|
| NONE            |        |                |       |
|                 |        |                |       |

Comments: There are 19 overlapping water rights in the same 40 acre tract, but none of them appear to be direct overlaps.  
There appears to have been a discrepancy in the government lot information at one time, so there are several water rights in  
Government lot 2 shown in Government Lot 3 (SWNW).

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

| Water Right No. | Source       | Purpose of Use | Basis  |
|-----------------|--------------|----------------|--------|
| NONE            | Ground water | Domestic       | Permit |
|                 |              |                |        |

Comments: There are 19 overlapping water rights in the same 40 acre tract, but none of them appear to be direct overlaps.  
There appears to have been a discrepancy in the government lot information at one time, so there are several water rights in  
Government lot 2 shown in Government Lot 3 (SWNW).

**C. DIVERSION AND DELIVERY SYSTEM****1. LOCATION OF POINT(S) OF DIVERSION:**

| Source    | Govt. Lot | ¼ | ¼  | ¼  | Sec. | Twp. | Rge. |      | County   |
|-----------|-----------|---|----|----|------|------|------|------|----------|
| Lake Pump | 3         |   | SW | NW | 23   | 48N  | 4W   | 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 |        |
| 48N           | 4W  | 23    |    |    |    |    |    |    | D  |    |    |    |    |    |    |    |    |    |        |
|               |     | Lot # |    |    |    |    |    |    | 3  |    |    |    |    |    |    |    |    |    |        |
| Total Acres = |     |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |

Method of Determination: GIS and Tax Lot 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 |
|------------------------------------------|------------|----|------------------|-----------|-----------------------------------|
| Lake 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:

The application for permit states the submersible pump has an 18 gpm capacity. Ratings for pumps are generally based on use, and a submersible pump is generally used in wells with a significant lift. Since we don't know the basis of the rating, it wouldn't be reasonable to limit the permit or license based on this information. I recommend that we continue with the standard allocation of water, since we can't determine exactly how much the pump can divert.

Administrative Memo #22 = 0.04

Permit allowed = 0.04 cfs

I am recommending a diversion rate of 0.04 cfs as recommended in Administrative Memo #22.

**F. VOLUME CALCULATIONS**

## 1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

## 2. Volume Calculations for Other Uses:

There is no information to show what the actual water volume being used. Therefore, I am following the standards set forth in Processing Administrative Memorandum #22, which states that the permit should be limited to 1.2 af for in-house use and up to ½ acre of yard irrigation.

**G. PURPOSE OF USE**

Irrigation \_\_\_\_Y\_\_\_\_N # Stock \_\_\_\_\_ Domestic # of Homes \_\_\_\_1\_\_\_\_

Other: &lt; &gt;

Change in Purpose of Use? \_\_\_\_Y\_\_\_\_N

Method of Determination: Tax data, GIS, and Well Driller's Report.

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

**H. NARRATIVE/REMARKS/COMMENTS**

This permit is qualifies for an in-house exam. At one time, there appears to have been a discrepancy in the government lot data and the public land survey. Several of the water rights shown in Lot 3 (SWNW) are actually supposed to be in Lot 2 (NWNW). The adjudication is currently working through this area, and hopefully will clean up these issues. However, after reviewing the water rights, I am confident there are no direct overlaps of the parcel associated with this permit.

The owner has stated in the proof of beneficial use statement that he has installed the required fish screen and has complied with the conditions of his permit.

All of the conditions on the permit should be carried forward to the license. Conditions X59 and X60 will be added to the license to better describe the place of use.

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 to 12/31       | 0.04 CFS              | 1.2 AF               |
|                       | <u>Totals:</u>       | 0.04 CFS              | 1.2 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 – DANIEL A. NELSON – Analyst 3**

Field Examiner's Name  Date 12-7-16

Reviewer \_\_\_\_\_ Date \_\_\_\_\_



**Permit 95-15115 -- Field Exam Map**

The yellow border is the place of use, and the yellow dot is the point of diversion. You can clearly see the trailer in the place of use border. It is tax lot 14 of Jensen Powderhorn Bay Subdivision.