

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

A. GENERAL INFORMATIONPermit No: 96-11252

Exam Date: 08/02/2024

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: Joseph and Jeanie Jackson
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: C118355

4. SOURCE TRIBUTARY
Ground Water N/A

Method of Determination: GIS and Parcel DataChange 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
96-7011	Lake Pend Oreille	Domestic	License
96-4264	Ground Water	Stock Water	Statutory Claim
96-8953	Lake Pend Oreille	Municipal	License

Comments:

The permit place of use (POU) is overlapped by stock water, domestic, and municipal water rights. The overlapping domestic and municipal places of use are both service areas for Oden water association, neither of which have bearing on the proposed usage of the permitted water right. The overlapping stock water right held by Darwin and Linda Hall does not appear to satisfy the irrigation requirement specified in the permit. There are no overlap concerns.

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

Water Right No.	Source	Purpose of Use	Basis
NONE			

Comments: There are no overlaps for the 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
Ground Water			NW	SE	27	58N	01W	B.M.	Bonner

Method of Determination: GIS and Parcel dataChange 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	
58N	01W	27														5			5
Total Acres =																			5

Method of Determination: GIS, permit holder communications, and aerial imageryChange in POU? X N Amendment Required? X N x 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

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
PUMP	UNKNOWN	UNK NO WN	UNKNOWN	UNKNOWN	UNKNOWN

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, but Applications Processing memo #17 and a theoretical calculation were used to determine an acceptable rate.**E. FLOW CALCULATIONS** Additional Computation Sheets Attached

We were not given any information regarding the pump. Because no system information was provided, a rate/acre calculation was performed instead. Up to 0.03cfs per acre is permitted for the irrigation of up to 5 acres, as per Processing Memo #17. I am recommending a diversion rate of 0.15 cfs for the irrigation of 5.0 acres at the permitted POU as this is what was developed.

$$5 \text{ acres} \times 0.03 \text{ cfs} = 0.15 \text{ cfs}$$

Permitted Rate = 0.15 cfs**Theoretical Rate = 0.15 cfs****B.U Limit = 0.15 cfs****Recommended Rate = 0.15 cfs****F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 5 \text{ AC} \times 3 \text{ AF} = 15 \text{ AF}$$

$$V = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.15 \times 213 \times 1.9835 = 63.37 \text{ AF}$$

V = Smaller of IR V and V = 15 AF
D.R.

G. PURPOSE OF USE

Irrigation X Y N # Stock Domestic # of Homes

Change in Purpose of Use? Y X N

Method of Determination: Tax lot data and documentation from owner.

H. NARRATIVE/REMARKS/COMMENTS

Permit 96-11252 qualifies for an in-office examination because the permitted rate is less than 0.24cfs, the acreage irrigated is 5 acres, and there is no storage component. The information for the current permit holder matches the information on the statement of completion provided to the Department.

The permit holder described the delivery system as a well and collection of connected hydrants. A simple system of garden hoses and portable sprinklers irrigates the garden, fruit trees, lawn, and grazing pasture. The POU as originally drawn in ArcGIS and on the permit encompasses the entirety of the parcel on which the water right is located, a total area of 10 acres. Because only 5 acres were permitted, the POU shape will be modified to only encompass those areas explicitly mentioned within communications with the permit holder while not overlapping the POU of their existing claim, 96-10827. This permit developed beneficial use during the development period in accordance with the permit. Thus, I am recommending a rate of 0.15 cfs for the irrigation of 5 acres and a total annual volume of 15 acre feet to be licensed.

Because there are no property concerns, condition 004 was removed at licensing. Condition 046 was removed at licensing as the development of the permit is now concluded and the well used is pre-existing anyways. Condition R66 will be retained as the total irrigated area is 5 acres. Condition F06 was retained for record keeping.

Have conditions of permit approval been met? X Yes No

I. RECOMMENDATIONS**1. Recommended Amounts**

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
Irrigation	04/01 to 10/31	0.15 CFS	15 AF
<u>Totals:</u>		0.15 CFS	15 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

Other: < >

J. AUTHENTICATION- Water Resources Agent- Jacob Caraig

Water Resources Agent's Name Jacob Caraig

Date 09/18/2024

Reviewer Pdmm

Date 9/19/24

Supporting Imagery –

1. The polygon drawn on ArcGIS shown below was used to measure the acreage of the place of use using the provided sprinkler diagram and permit holder communications, see licensing file.



- ## 2. Provided Sprinkler Diagram



Attachment to Field Report 96-11252



Legend

- ◊ 96_11252_POD
- 96_11252_POU
- Township/Range
- Sections
- QQ