

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-11262
Exam Date: 09/13/2022

1. Current Owner:
ROBERT FISHER PO BOX 323 CLARK FORK ID 83811-0323 AND/OR
TERESA FISHER PO BOX 323 CLARK FORK ID 83811-0323
2. Accompanied by: Robert Fisher
Phone No: 208-874-9498
Address: Same as above.
Relationship to permit Holder: Permit holder.

3. **SOURCE:**
UNNAMED STREAM

Tributary
SINKS

Method of Determination: ArcMap and DRG.

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
96-11108	GROUNDWATER	DOMESTIC	B.U. CLAIM

Comments: Claim 96-11108 submitted by the applicant uses a groundwater source for domestic purposes on the property. Domestic use as claimed is a separate B.U. than irrigation from the surface water source and not a concern for enlargement between water rights if the claim is decreed as filed through the CFRBA process.

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

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

UNNAMED STREAM NW¼ SE¼, Sec. 8, Twp 55N, Rge 03E, B.M. BONNER County

Method of Determination: GPS; POD is a screened intake pipe w/pump located at -116°6.259, 48°7.718.

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
55N	03E	8														0.4			0.4

Total Acres: 0.4

Method of Determination: In-office exam conducted with drive by to collect photographs and GPS POD.

3.
 - ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
 - ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
 - ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
 - ☒ Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
CENTRIFUGAL PUMP	DRUMMOND	1	SHALLOW WELL PUMP WITH 23 PSI AIR BLADDER	DRUMMOND	2- 5/8" GARDEN HOSES FROM SPLITTER

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE						

2. Measurements: No measurement required for an in-office exam.

E. FLOW CALCULATIONS

Flow measurement not required as per IDAPA RULE 37.03.02.035.01.r.iii.

F. DIVERSION RATES

The diversion rate for this irrigation right is limited to 0.03 CFS or 13.5 GPM.

G. VOLUME CALCULATIONS

The annual volume for this irrigation right is limited to = 1.2 AF, as described by condition of approval X31.

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-house field examination. A drive-by exam was conducted on 9/13/2022 to obtain photographs of the POU, validate irrigation areas, & GPS the POD. Bonner County tax parcel data validate ownership of parcel RP55N03E087950A in the applicant's names.

The permit was authorized for **0.03 CFS** or 13.5 GPM diversion for the irrigation of 1.0 acres. During the site visit, the applicant's pump was observed at the POD, but the intermittent stream was dry by mid-September & the pump had been winterized. Mr. Fisher asserts the creek runs dry by late July mid-August most years. The pump specification identifies a 1.0 HP Drummond centrifugal pump.

A 1 HP pump likely has a pump capacity larger than 13.5 gpm, but the applicant has restricted the discharge port down to a 5/8" hose splitter, and normal irrigation practices include pumping 200 yards up slope to two 1,000-gallon roto reservoirs prior to distribution by garden hose for small scale watering. It is reasonable the pump incurs sufficient head pressure loss reducing diversion capacity to a rate comparable to the 0.03 cfs recommended for licensing this right.

The irrigation POU was traced out using field maps, and ArcMap aerial imagery was used during licensing review to accurately trace out the acreage equaling 0.4 acres. The annual volume associated with irrigating 0.4 acres = 1.2 AF, which is recommended for licensing purposes. Irrigation water is used for multiple small plots for gardening, orchard trees, and berry bushes all fenced to protect from deer/elk. I've recommended licensing with the department standard season of use.

Condition R66 was replaced with X31 to better quantify the diversion rate and diversion volume associated with licensing this permit. Condition 26A was removed from the permit during licensing review. All other conditions shall be carried forward to the license. There are no overlap concerns for this water right.

Have conditions of permit approval been met? ☒ Yes ☐ No

I. RECOMMENDATIONS

1. Recommended Amounts

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>
IRRIGATION	04/01 to 10/31	0.03 CFS

Totals: 0.03 CFS

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

I. AUTHENTICATION

Luke Bates -

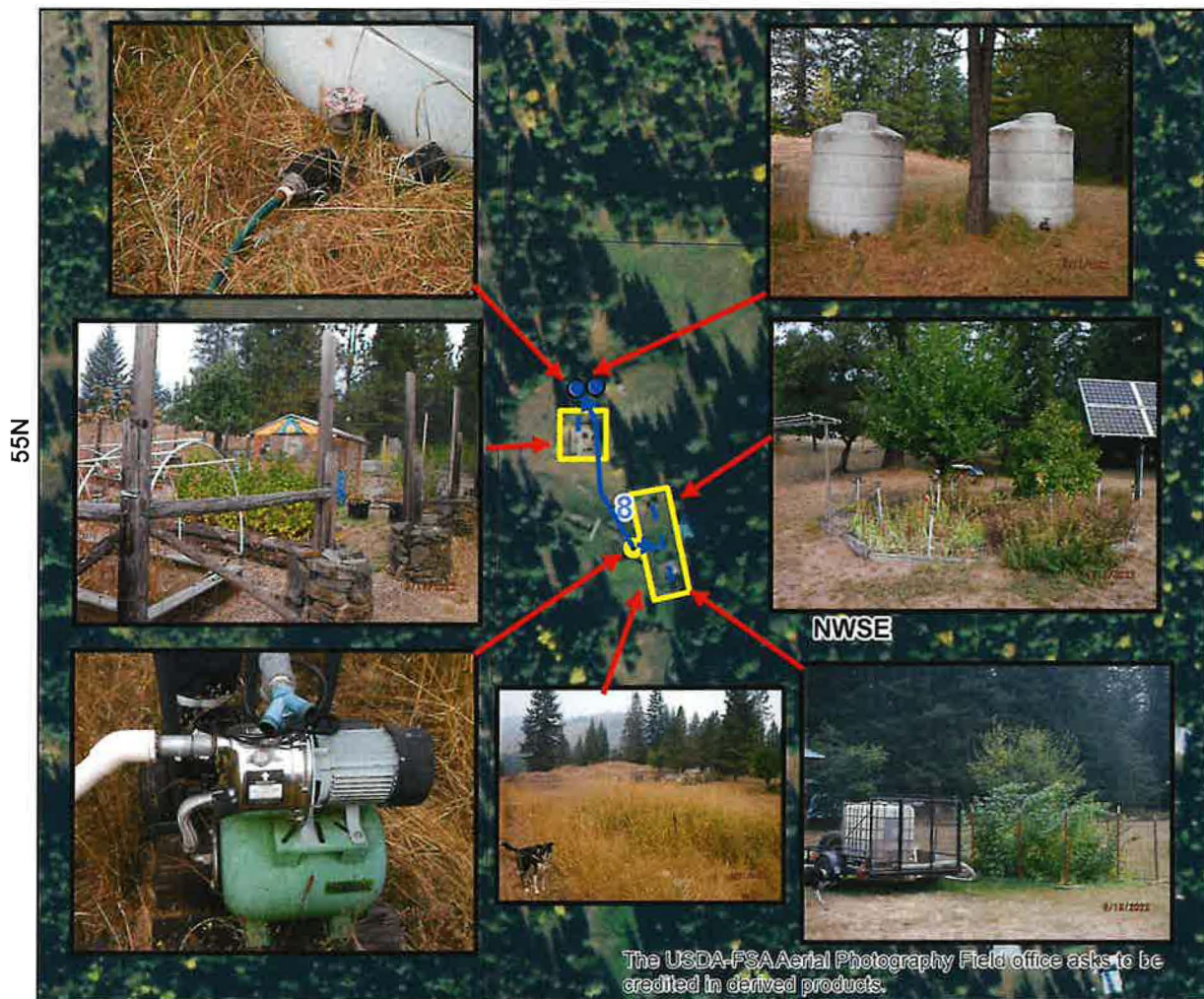
Field Examiner's Name  Date 11/13/2023

Reviewer _____ Date _____

State of Idaho
Department of Water Resources
Attachment to Field Exam
96-11262

This map depicts the IRRIGATION system diagram.

03E



0 0.035 0.07 0.14 Miles

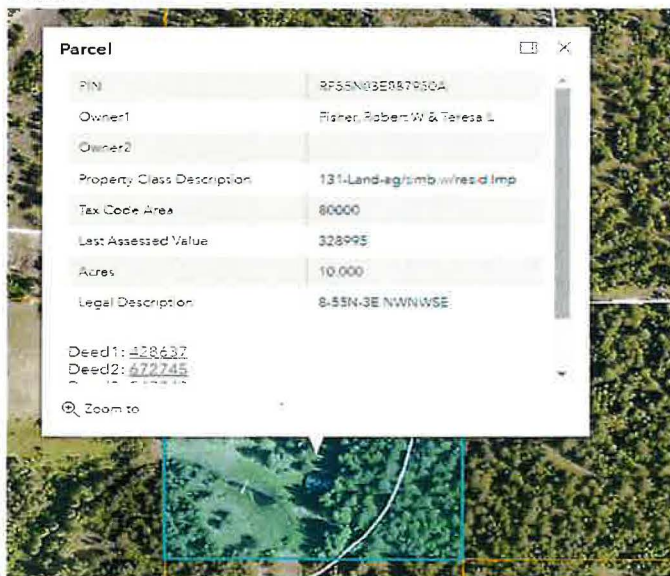
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters
-  Point of Diversion

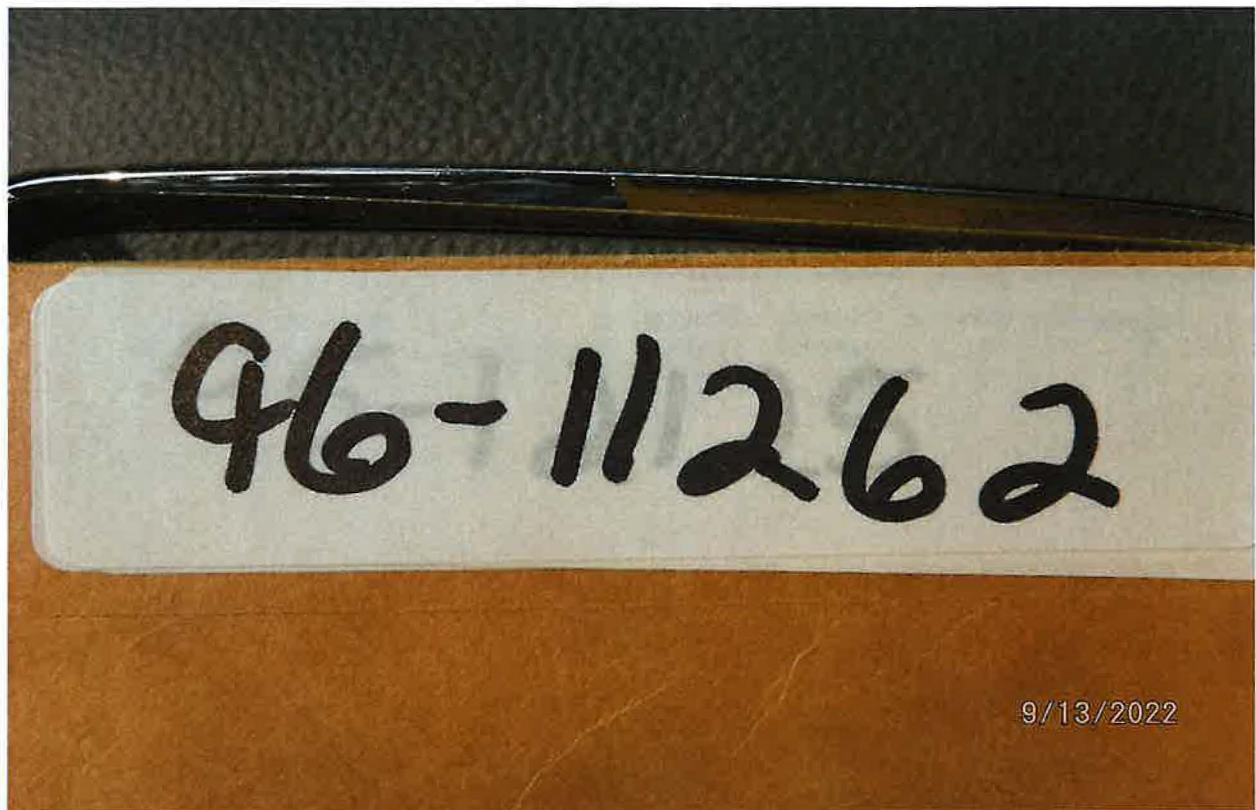


96-11262 – LICENSING REVIEW



- Image retrieved from Bonner County GIS tax parcel on 11/3/2023 at www.bonnercountyid.gov/public/
- The image provides evidence of water in the intermittent stream & pooling in stream; stream sinks & doesn't reach a named tributary.
- Tax parcel information illustrates owners of parcel RP55N03E087950A as Robert W & Teresa L Fisher.





BENEFICIAL USE FIELD EXAMINATION DATE 9/13/2022



POD – 1 HP WATER TRANSFER PUMP WITH INTAKE IN SMALL PONDING



INTAKE PIPE WITH MESH SCREENING – CREEK HAD DRIED UP FOR THIS YEAR BY MID SEPTEMBER



1 HP PUMP



2 EA 1,000 GAL STORAGE TANKS – GRAVITY FLOW FROM TANKS TO IRRIGATION BY HOSE & SPRINKLER





HOSE CONNECTION FROM STORAGE TANKS





IRRIGATION POU – LAWN SPACE AND FENCED BUSHES





IRRIGATION POU – GARDEN





**VIEW FROM POD ALONG CREEK TO STORAG TANKS; PUMP FROM POD TO STORAGE, GRAVITY FLOW
FOR WATER USE FROM STORAGE TANKS.**