

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

A. GENERAL INFORMATIONPermit No: **86-12023**

Exam Date: 05-12-15

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: Harper
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: C100293

4. SOURCE**TRIBUTARY**

Spring

Middle Pottlatch Creek

Method of Determination: GIS Imagery

Change 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

Comments: POU PIN: RP01770000003C

86-10285 – taxlot south of POU (PIN RP38N03W336132), 86-10287 – taxlot south of POU (PIN RP38N03W338402), 86-10388 – taxlot to NE of POU (RP01770000004C), 86-10337 - 3 spring diversions in 2QQ in taxlots owned by Halvorson (RP01770000001E & RP38N03W331202) not likely to overlap POU of 86-12023., 86-10331 - Dom. use only in NWSE – also owned by Nye – same POU as 86-7336?, 86-10645 (NESE) Patterson?, 86-10670 – taxlot south of POU (RP38N03W339532), 86-7100 - City of Juliaetta Municipal, 86-7134 – taxlot north of POU (RP01770000014B), 86-7237 – dom. use for taxlot to west (PIN RP01770000001F), 86-7296 – irr. for taxlot to west (PIN RP01770000001F), 86-7332 - taxlot north of POU (RP01770000014B), 86-7336 – irr, dom & stock in NWSE (3 AC), per info. in backfile, appears to be PIN RP01770000001F

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

Water Right No.	Source	Purpose of Use	Basis

Comments: 86-10337 – springs not in same 10 acre tract as POD of 86-12023. 86-7336 - Groundwater

86-10331, 86-7237, 86-7296, & 86-7134 are for springs on taxlot adjacent to taxlot of permit owner. In same 10 acre tract. QQQ locations. 86-7134 piped across road to POU. 86-7237, 86-7296, & 86-10331 probably same taxlot (PIN RP01770000001F)

This appears to be a spring complex where 86-10645, 86-7134, 86-7237, 86-7296, 86-10331, & 86-12023 all seem to be drawing water from. 86-12023 is drawing from the northeastern arm of the complex. 86-10645 is drawing south of 86-12023 and 86-7134, 86-7237, 86-7296, 86-10331, & 86-12023 are drawing from the northwestern arm of the complex above the POD of 86-12023.

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Spring		SW	NW	SE	33	38N	03W	B.M.	Latah
								B.M.	

Method of Determination: GIS Imagery

Change in POD? ____Y__X__N Amendment Required? ____Y__X__N

2. PLACE OF USE: Use: Domestic,

TW P	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
38N	03W	33													X			X	
		Lot #																	
Total Acres =																			

Method of Determination: Home visible on GIS imagery. PIN RP01770000003C

Use: Stockwater

TW P	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
38N	03W	33													X	X	X	X	
		Lot #																	
Total Acres =																			

Method of Determination: Stockwater - GIS Imagery

Use: Irrigation

TW P	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
38N	03W	33									1.0								
		Lot #																	
Total Acres =																			1

Method of Determination: Irrigation- Permit for only one QQ of property. Found 1 acre of irrigation in QQ of permit using GIS Imagery and information from permit holder as basis.

Change 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.

__ 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

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* 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

2. Measurements: < >

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

Domestic:

Per Application Processing Memo #22, 0.04 cfs for domestic use, with yard. 0.02 cfs for domestic, no yard.
No yard excluding condition – 0.04 cfs

Stock:

Per App. Processing Memo #3, 0-10 livestock, 0.02 cfs

Irrigation:

Per App. Processing Memo #17, up to 0.03 cfs/acre for irrigation up to 5 acres acceptable 1.0 acres(0.03 cfs) = 0.03 cfs

Permit allowed = 0.04 cfs domestic, 0.02 cfs stock, 0.03 cfs irrigation

License recommend for 0.04 cfs domestic, 0.02 cfs stock, 0.03 cfs irrigation.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.0 \times 4.0 = 4.0$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.13 \times 214 \times 1.9835 = 55.2$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 4.0$$

2. Volume Calculations for Other Uses:

Domestic:

Per Application Processing Memo #22, 1.2 afa for domestic use, with yard. 0.6 afa for domestic, no yard.
No condition indicating irrigation component covers all yard irrigation. Recommend 1.2 afa

Stock:

Per App. Processing Memo #3, 0-10 livestock, 0.2 afa

License recommend for 4.0 afa irrigation, 1.2 afa domestic, 0.2 afa stock. Will limit to irrigation afa as domestic limit in condition and max. diversion limited to irrigation use.

G. PURPOSE OF USE

Irrigation Y # Stock 5 Domestic # of Homes 1

Other:

Change in Purpose of Use? Y X N

Method of Determination: GIS Imagery and Application Information

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

Season of Use: 03/15-11/15

Headgate: 4

Cons. Use: 3

Water District: None

Wild and Scenic Watersheds: None

Conditions:

X01	Domestic use is for 1 home.
R66	This right when combined with all other rights shall provide no more than 0.03 cfs per acre nor more than 3.0 afa per acre at the field headgate for irrigation of the place of use.
004	This right does not grant any right-of-way or easement across the land of another.

Used R68 on license instead of R66 because of 4 afa headgate for the area of POU.

Limiting CFS to rate on permit = 0.06 cfs.

Have conditions of permit approval been met? ☒ Yes ☐ No**I. RECOMMENDATIONS****1. Recommended Amounts**

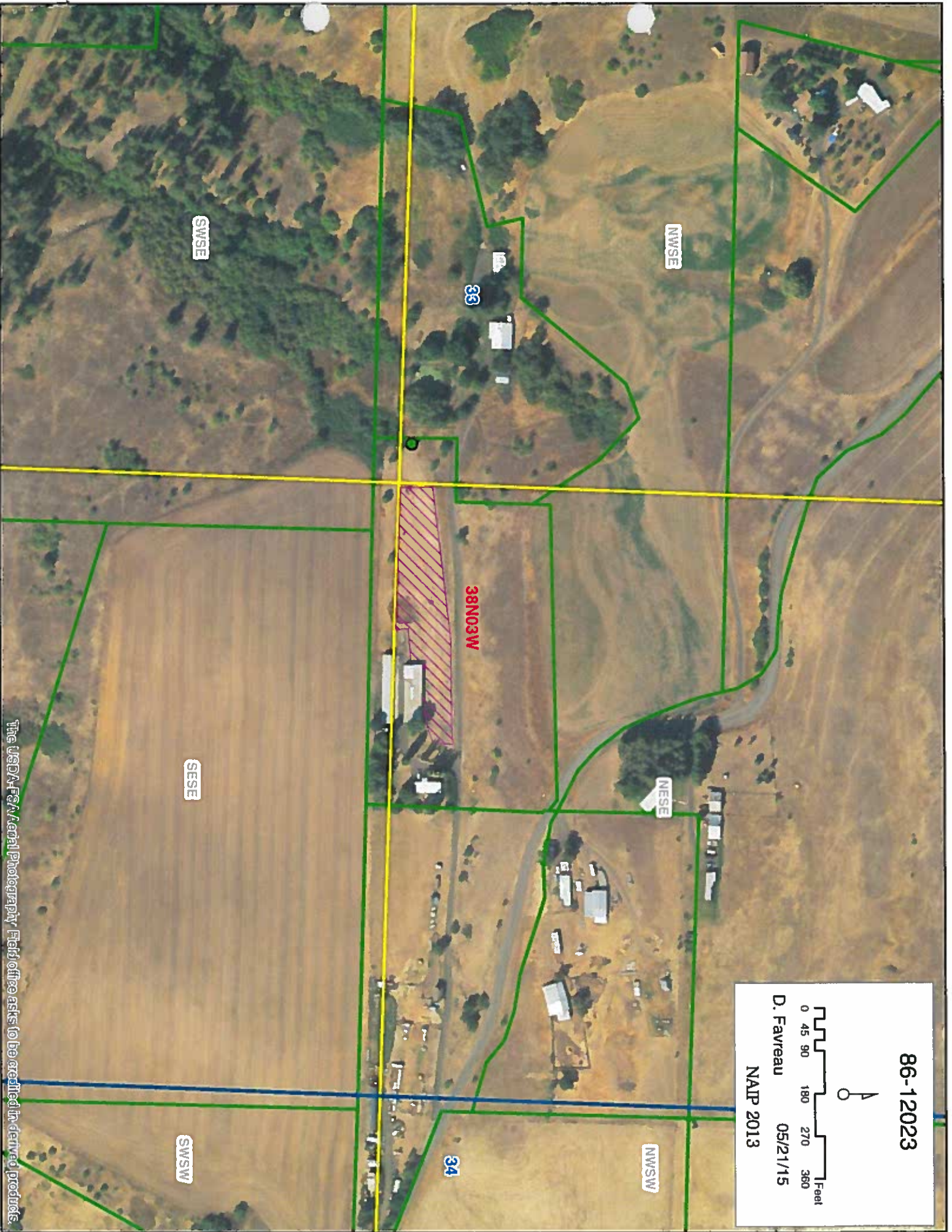
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Domestic	01/01 to 12/31	0.04 CFS	1.2 AF
Stockwater	01/01 to 12/31	0.02 CFS	0.2 AF
Irrigation	03/15 to 11/15	0.03 CFS	N/A AF
Exempt IDAPA 37.03.02(j)(vii)			
<u>Totals:</u>		0.06 CFS	1.4 AF dom/stock

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. AUTHENTICATIONField Examiner's Name Danille Turner Date 06/16/15

Reviewer _____ Date _____



86-12023



D. Favreau 05/21/15

NAP 2013