

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

A. GENERAL INFORMATIONPermit No: 87-10077

Exam Date: 2-7-2019

1. Does this qualify for an in-office field exam (IDAPA 035.01.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: Christian Vance
 Owner of Record Correct? x Y N
 Address of Record Correct? x Y N
 If No:

3. Fees have been paid: x Y N Receipt No: C106218

4. SOURCE**TRIBUTARY**

Ground Water

Method of Determination: Permit, Proof and ArcMap

Change in Source: Y x N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: None

Water Right No.	Source	Purpose of Use	Basis

Comments:

2. Other water rights with the same point of diversion: None

Water Right No.	Source	Purpose of Use	Basis

Comments:

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

Source	Govt. Lot	¼	¼	¼	Sec	Twp.	Rge.		County
GROUND WATER			NE	NE	12	38N	06W	B.M.	LATAH
								B.M.	
								B.M.	

Method of Determination: PERMIT FILE AND COUNTY RECORDS

Change in POD? Y x N Amendment Required? Y x N

2. **PLACE OF USE:** Use: DOMESTIC + Stockwater

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
38N	06W	12	X																
Total Acres =																			0

Method of Determination: PERMIT FILE & ARCMAP

Change in POU? Y X N Amendment Required? Y X N

3. 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

*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:

NO MEASUREMENT REQUIRED PER IDAPA 37.03.02.035.01.r.

License recommend for 0.09 CFS

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses: 1.8 af for indoor/outdoor domestic for one home and indoor for 1 shop/apartment and 0.7 for 51 head of stock (OR 50 HEAD OF STOCK). PER AP ME40 #22 AND #3.

G. PURPOSE OF USEIrrigation ☐ Y ☒ X ☐ N # Stock 51 OR 50 Domestic # of Homes 1

Other: + 1 SHOP/APARTMENT

Change in Purpose of Use? ☐ Y ☒ X ☐ N

Method of Determination: PERMIT FILE

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

H. NARRATIVE/REMARKS/COMMENTS**DOMESTIC USE:** Assessor information per: ArcMap photo (2017) confirmed dwelling on site. Map shows home and shop/apartment.**STOCKWATER USE:** An email to the current permit holder stated 8 horses and 42 cows for the stock. Volume will be 0.7 af based on worksheet attached. Recommended to permit holder to contact Latah County regarding a Confined Animal Feedlot Operation Permit (CAFOP) for the number of stock on his small parcel.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	0.06 CFS	1.8
STOCKWATER	01/01 TO 12/31	0.03 CFS	0.7
<u>Totals:</u>		0.09 CFS	2.5 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: NONE

J. AUTHENTICATION

Field Examiner's Name

Jan Husley

Date

2-7-19

Reviewer

David L. Miller

Date

2-7-19

Permit # 87-10077 **STOCKWATER USE ATTACHMENT**

Complete this worksheet to include stockwater for in-office field exam.

Parcel size 20 acres

Size determined by (tax lot, etc.) tax lot

Check 1: ☐ County confirmed nothing prohibits type & number of stock for parcel
☐ Alternate confirmation, list: _____

G.2, Volume Calculations- AF only 1 decimal place

Complete the following only if permit includes both:

- Period of use is all year
- Stock is range cattle, horses &/or mules

Volume required (Vr):

$$\frac{\text{51 or 50}}{\text{\# animals}} \times 0.0134 = \underline{.7} \text{ AF}$$

Volume diverted (vd):

$$\frac{.03}{\text{Permit cfs}} \times 365 \times 1.9835 = \underline{21.7} \text{ AF}$$

Volume recommended = smaller of Vr and Vd

$$= \underline{.7} \text{ AF only 1 decimal place}$$

Other cases- discuss with supervisor before proceeding.

Volume required (Vr):

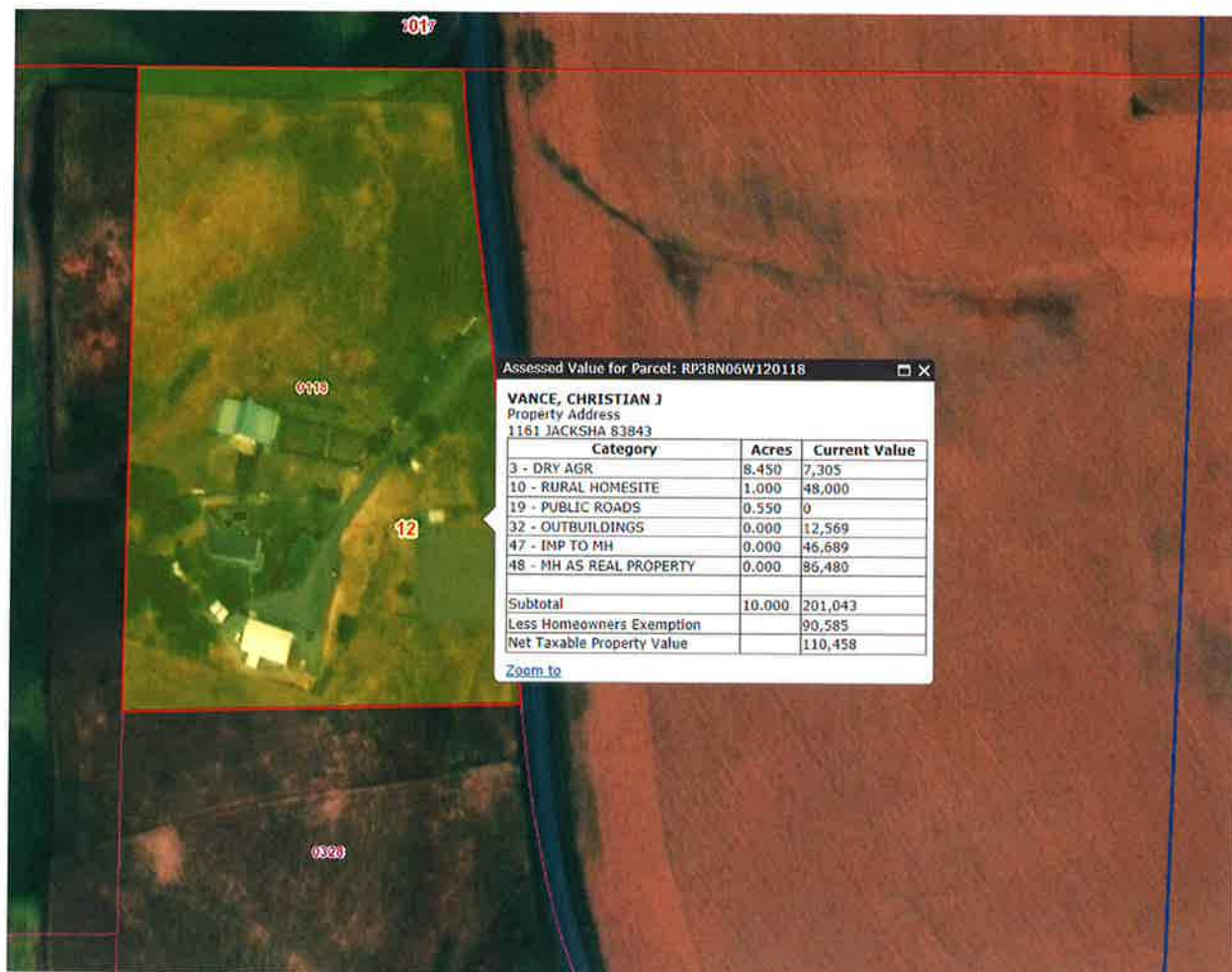
$$\underline{\text{\# animals}} \times \underline{\text{gpd/animal}} \times \underline{\text{days/year}} = \underline{\hspace{2cm}} \text{ AF}$$

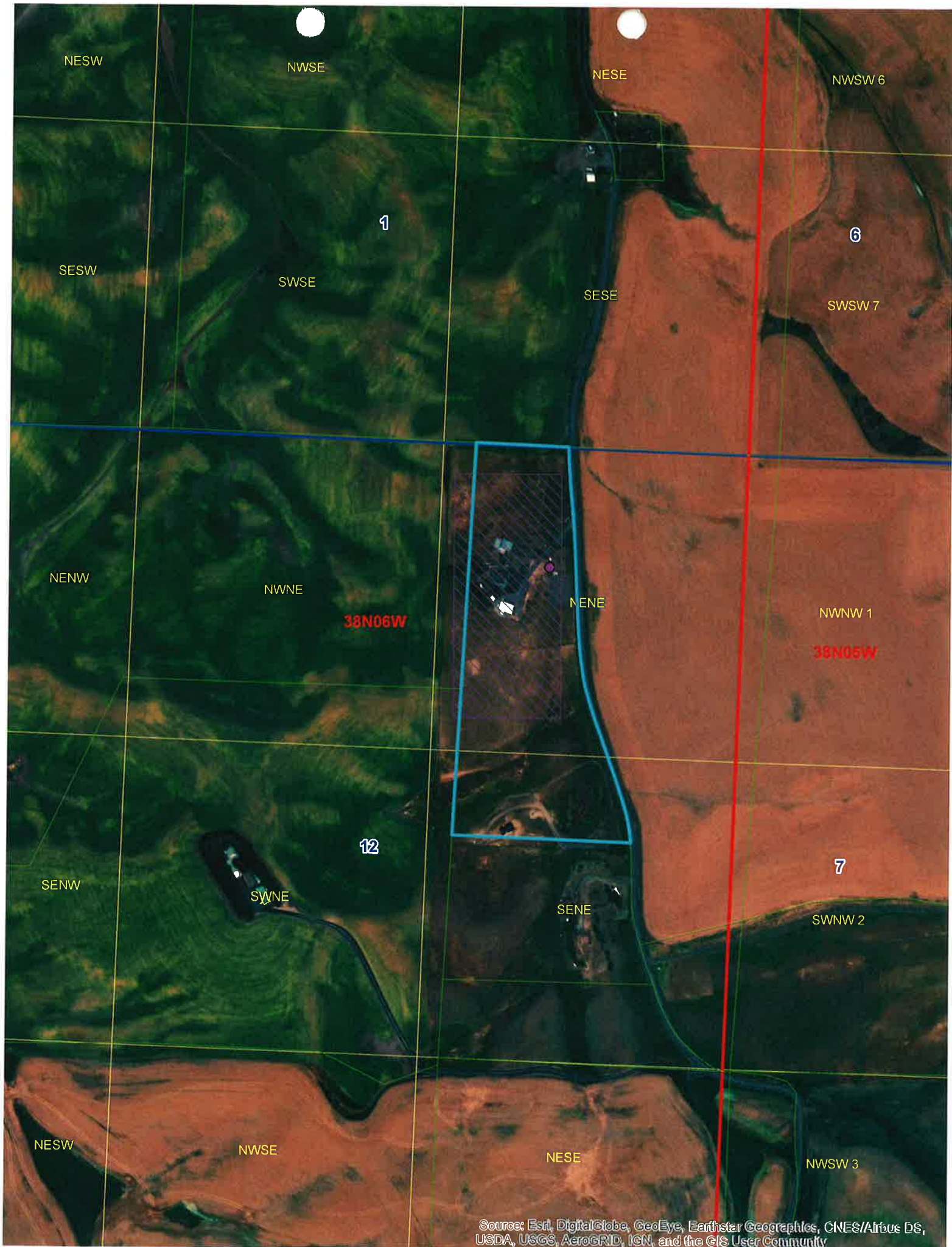
Volume diverted (Vd):

$$\underline{\text{Permit/cfs}} \times \underline{\text{day/year}} \times \underline{1.9835} = \underline{\hspace{2cm}} \text{ AF}$$

Volume recommended = smaller of Vr and Vd

$$= \underline{\hspace{2cm}} \text{ AF only 1 decimal place}$$





Hersley, Jean

From: Christian Vance <palouseplowing@gmail.com>
Sent: Wednesday, February 06, 2019 10:43 PM
To: Hersley, Jean
Subject: Re: Water Permit No. 87-10077

8 horses and 42 cows

On Wed, Feb 6, 2019 at 9:37 AM Hersley, Jean <Jean.Hersley@idwr.idaho.gov> wrote:

Dear Permit Holder,

The Department of Water Resources (Department) received your proof of beneficial use for water permit 87-10077. This permit qualified for an in-office field exam (IDAPA 035.02.r). During the review, it was determined additional information is needed to complete this review.

Item #5 on the Statement of Completion refers to the number and type of stock. You stated you are watering 51 head of stock. The Department needs to know what type of stock. 3 horses, 2 cows, 12 chickens, etc.?

Please provide the requested information within 14 days. You may send the information to the address above, email to jean.hersley@idwr.idaho.gov or fax to (208) 287-6700, attn.: Jean. If the Department doesn't receive the requested information within 14 days, steps may be taken to void this permit. If you have any questions, please contact me at (208) 287-4942. Thank you.

Jean Hersley

Idaho Dept Water Resources

Technical Records Specialist II

208-287-4942

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Christian Vance
Palouse Plowing
Owner/Operator

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Moscow, ID 83843

509.432.3898