

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 77-14369
Exam Date: 06/29/2020

1. Current Owner:
MILLICENT DAINES 803 12TH ST KAMIAH ID 83536 AND
EUGENE DAINES 803 12TH ST KAMIAH ID 83536
2. Accompanied by: Eugene Daines
Phone No: (208)451-4650
Address: 126 Edmonson Drive, Dixie, ID 83525
Relationship to permit Holder: Same

3. **SOURCE:**
SPRING

Tributary
CROOKED CREEK

Method of Determination: Site visit

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: No overlap present

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

Water Right No.	Source	Purpose of Use	Basis

Comments: No overlap present

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

SPRING SE¼ SW¼ NE¼, Sec. 27, Twp 26N, Rge 08E, B.M. IDAHO County

Method of Determination: Site visit, aerial imagery, digital PLSS system

PLACE OF USE: DOMESTIC

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
26N	08E	27									X								

Method of Determination: Site visit, aerial imagery

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
n/a	n/a	n/a	n/a	n/a	n/a

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
n/a	n/a	n/a	n/a	n/a	n/a	n/a

2. Measurements: No measurements were taken

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method:

According to A.P. Memo #22, the standard rate for 1 domestic household is 0.04 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:

Per A.P. memo no. 22, a volume of 0.6 afa per household should be used when irrigation is a separate use. This permit has a separate irrigation use, and there is only one household so 0.6 afa is recommend for licensing.

G. NARRATIVE/REMARKS/COMMENTS

Eugene and Millicent Daines are the owners of water permit 77-14369 for irrigation and domestic use in Dixie, ID. They submitted proof of beneficial use on January 13, 2020 with an examination fee of \$50.00. An exam was conducted on June 16, 2020 by WRA Tyler Smith who was accompanied by the permit holders.

The point of diversion for the permit is a spring located in the Nez Perce – Clearwater National Forest. Special use permit NN-915-10 was obtained by the permit holders prior to diverting water, as conditioned on the permit. A 4" pipe is buried in order to draw the water into the system. The 4" pipe then connects to 1.25" pvc pipe which is also buried and runs down the hillside and collects in two 350 gal holding tanks. Mr. Daines noted that the time it takes to fill the tanks varies depending on the season/weather and usually lasts about a day and a half of regular domestic use. Directly before the lines going to the holding tank, there is a box with valves on the lines to turn off the flow of water going to the holding tanks. The permit has condition 195 requiring a lockable device, and these valves satisfy that condition. Two 1.25" pvc pipes come from the storage tanks, one main pipe to the house and another pipe takes overflow from the storage tanks to Crooked Creek past the house.

No flow measurements were taken on the system. According to A.P. Memo #22 the standard rate for 1 domestic household is 0.04 cfs. I observed > 18 gpm (0.04 cfs) being discharged from the overflow pipe during the field exam. The domestic rate recommended for licensing is 0.04 cfs. There is a standard hose spigot on either side of the house used for general domestic purposes, and not used for regular irrigation of the property. The permit holders expressed that they did not irrigate any ground, and no beneficial use of irrigation was observed during the field exam. The irrigation component and related conditions should be removed for licensing.

GPS coordinates were taken at the spring (-115.46251, 45.56815) and storage tanks (-115.46251, 45.56815), however they indicate positions to the west of Crooked Creek. During the site visit, the locations were clearly observed as being east of Crooked Creek and therefore the GPS coordinates are likely an error, possibly due to the canopy cover of the forest or not having enough satellites synced to the handheld GPS. Information and maps provided by the USFS from the Daine's special use permit provided evidence of the location of the spring, which is to the east of Crooked Creek. The USFS did not have any GPS points for the spring either, and they estimated the spring in the NENWSE, just over the QQ line of the SESWNE indicated on the water right permit. No hard evidence of the exact location of the spring has been produced for this examination. Therefore, a licensing amendment cannot be justified, and the spring location should be licensed as indicated on the permit.

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

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
DOMESTIC	01/01 to 12/31	0.04 CFS	0.6 AF

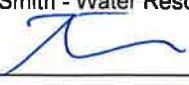
Totals: 0.04 CFS 0.6 AF

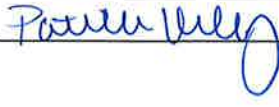
2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

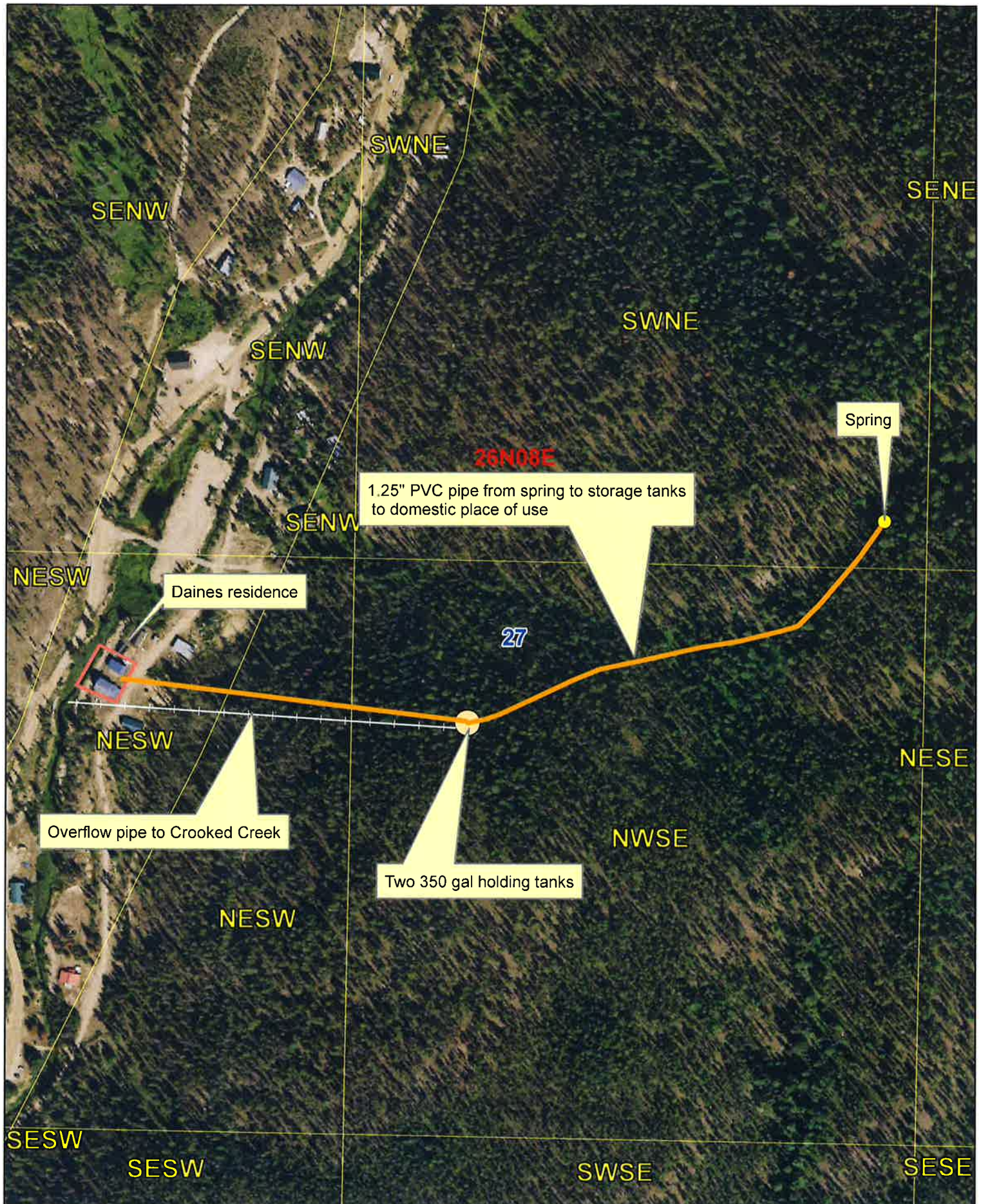
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

I. **AUTHENTICATION** Tyler Smith - Water Resource Agent

Field Examiner's Name  Date 7/13/20

Reviewer  Date 7-13-2020

Delivery System Diagram

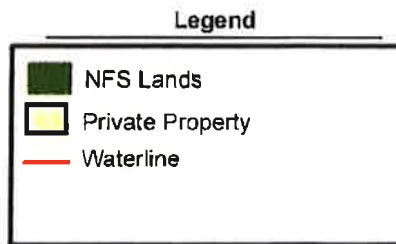
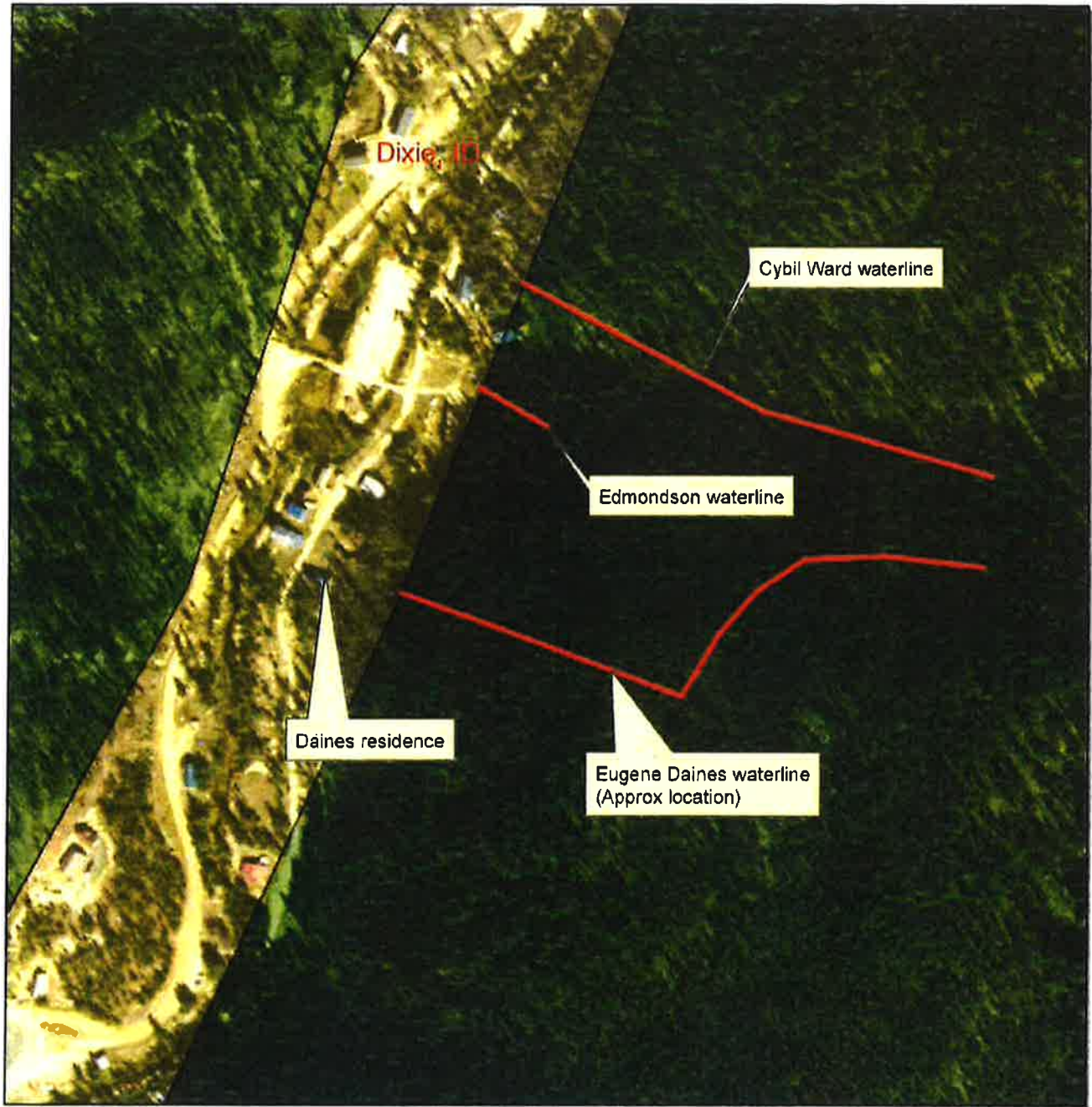




Special Use Authorization - Exhibit A

Nez Perce- Clearwater National Forests

Created by: John Thompson, Reality Specialist
2/22/2018



0 0.01 0.02 0.04 Miles

Eugene Daines - Waterline

T26N, R8E, Sec 27

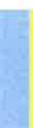
Authorization ID: RR_915_10
Use Code: 915

Point of Diversion Comparison

State of Idaho
Department of Water Resources
Beneficial Use Field Exam

Water right no. 77-14369

BasinSeq	Owner	Source	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE
77-10002	BRAMLET, R/	GROUND WATER											X					
77-10015	REPP, RITA; F	GROUND WATER							X									
77-10071	HINKLE, MAY	GROUND WATER											X					
77-10090	MILLER, JAM	GROUND WATER							X									
77-14369	DAINES, EUG	SPRING			X													
77-7066	KNOERTZER,	SPRING			X													
77-7274	BRAMLET, R/	SPRING										X						
77-7315	LYCAN, ALLE	SPRING												X				

 = this right
 = overlap

Place of Use Comparison

State of Idaho
Department of Water Resources
Beneficial Use Field Exam

Water right no. 77-14369

Basin/Seque	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
77-10002	BRAMLET, R	GROUND WATER	DOMESTIC											X						
77-10015	REPP, RITA;	GROUND WATER	DOMESTIC			X														
77-10071	HINKLE, MAY	GROUND WATER	DOMESTIC											X						
77-10090	MILLER, JAM	GROUND WATER	DOMESTIC												X					
77-14369	DAINES, EUG	SPRING	DOMESTIC									X								
77-7066	KNOERTZER,	SPRING	DOMESTIC								X									
77-7274	BRAMLET, R	SPRING	DOMESTIC												X					
77-7315	LYCAN, ALLE	SPRING	DOMESTIC								X									

 = this right
 = overlap



Fig. 1 – Spring location
with dug out line
exposing path of buried
pipe



Fig. 2 – Rock line indicating path
of buried 1.25" pvc pipe from
spring to storage tanks



Fig. 3 – Two 350 gal storage tanks down slope of spring. Metal box contains lockable device shown in Fig. 4.



Fig. 4 – Bottom PVC line is intake to storage tanks, with three lines going to one tank and main line going to the other tank. All valves can be shut and constitute as lockable devices. Top line is overflow line from storage tanks to creek.



Fig. 5 – Domestic and irrigation place of use are shown across road from where picture is taken. All vegetation present is native background growth.



Fig. 6 – Discharge from overflow line to Crooked Creek



Fig. 7 – Close-up of discharge of overflow into Crooked Creek after heavy rains.



Fig. 8 – Spigot installed on both sides of the house, used for infrequent outside domestic uses.



Fig. 9 – Section of irrigation place of use. Beneficial use of irrigation not developed. All vegetation present is native background



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

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BRAD LITTLE
Governor

GARY SPACKMAN
Director

June 8, 2020

MILLICENT & EUGENE DAINES
803 12TH ST
KAMAIAH, ID 83536

COPY

Re: Water Permit 77-14369

Dear Permit Holder:

Your permit to appropriate water number 77-14369 is currently being reviewed for its beneficial use. Due to the nature of this permit, it qualifies for an in-office exam. This means that no beneficial use field exam need be conducted if certain aspects of the beneficial use can be verified.

In order to verify the developed diverting works, please provide pictures of your diversion system and briefly describe what is being shown in each picture. This should include your lockable device, which you described as a valve, which is required by your permit. If you have information regarding your pump's make and/or model, please provide that as well. Also, please provide photographs of your developed irrigation use (i.e. your lawn/field).

Additionally, as we discussed via telephone this morning (6/8/20), you do not have the available means to record GPS coordinates of your point of diversion (POD), i.e. the location of the spring. I have included aerial photography of the general location of the permit's POD with this letter. A pink dot has been marked, indicating where you identified the spring in your application for permit, and where it was authorized for the permit. If this location is correct, please make note of this and sign and return the aerial photograph. If this dot indicates an incorrect location of the spring, please mark the correct location on the aerial photography, sign and return.

Please submit the necessary information within the next thirty (30) days. If IDWR does not receive your written response within thirty (30) days, the permit may begin the process of being voided. You may receive future correspondence regarding more specific details of your application. IDWR forms and other information are available on the Internet at www.idwr.idaho.gov. Please consult the IDWR website or contact this office at 208-334-2190 and ask for me if you have any questions about the necessary information.

Sincerely,

Tyler Smith
Water Resource Agent
Western Region

Enclosure: Aerial imagery of POD

Water Permit 77-14369 Point of Diversion Location

COPY

