

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-23376

Exam Date: 7/20/2017

1. Current Owner:
STATE OF IDAHO
DEPT OF LANDS
STATEHOUSE
BOISE ID 83720
(208) 634-7125
2. Accompanied by:
Phone No: (208) 634-7125
Address: 555 Deinhard Ln. McCall, ID 83638
Relationship to Permit Holder: Sr. Lands Resource Specialist for Idaho Department of Lands

3. SOURCE:
WAGON BAY CREEK

TRIBUTARY:
PAYETTE LAKE

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point-of-diversion: None

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

WAGON BAY CREEK SE¼SE¼NE¼ Sec. 29, Twp 19N, Rge 03E, B.M. VALLEY County

Method of Determination: Handheld GPS, N44°57.388', W116°06.446'

2.

PLACE OF USE: COMMERCIAL

[illegible]

19N	03E	20	X	X	X	X					X		X	X		X	X		
19N	03E	21	X			X	X	X	X		X					X	X		
						L 1											L 3		
19N	03E	22					X	X											
						L 1													
19N	03E	23	X	X	X	X	X			X	X		X	X	X	X	L 3		X
						L 2	L 1			L 2	L 3		L 5	L 4					
19N	03E	23											X						
													L 6						
19N	03E	23											X						
													L 7						
19N	03E	25								X				X		X	X		
19N	03E	26		X	X										X	X	X	X	
				L 1	L 2														
19N	03E	26														X	X		
																L 3	L 4		
19N	03E	28					X	X	X										
19N	03E	29	X	X	X	X	X	X	X	X	X	X		X			X	X	
19N	03E	30								X			X	X			X	X	
19N	03E	31		X	X		X			X	X			X					
19N	03E	32	X	X	X	X	X	X	X	X	X	X	X	X					
						L 1								L 3					
19N	03E	34												X	X	X			
														L 5		L 8			
19N	03E	34												X	X				
														L 5	L 5				
19N	03E	35												X				X	
19N	03E	36		X	X			X	X	X	X	X	X		X	X	X		
20N	03E	13								X	X	X	X				X		
20N	03E	14															X		
20N	03E	23	X	X	X	X								X	X	X	X		
20N	03E	24	X	X			X			X									
20N	03E	26	X	X	X	X				X	X	X	X	X	X			X	
20N	03E	27																X	
20N	03E	34	X			X								X	X	X	X		
20N	03E	35	X			X		X	X		X	X		X				X	

Method of Determination: Information obtained from the applicant during exam

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

N/A 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.

X

NA Aerial Photo Attached (required for irrigation of 10+ acres).

X 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
NA	NA	NA	NA	NA	NA

*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
NA	NA	NA	NA	NA	NA	NA

2. Measurements: Flow measurements were not obtained during field exam. However usage estimates were provided by applicant

E. FLOW CALCULATIONS

Measured Method: Usage estimates provided by applicant are as follows:

- 4,000 gallon truck
- 13-25 minute range to fill trucks to capacity
- Using 13 minute rate to give applicant maximum benefit you get:
- 4,000 gal / 13 min= 308 gal/min
- 308 gal/min x 1cfs/448.83gpm= **0.69cfs**

F. VOLUME CALCULATIONS

Volume Calculations for Commercial Use:

- Water Truck Capacity= 4,000 gallons
- 40 truck-loads of water a year
- 4,000 gal x 40 loads/yr = 160,000 gal/year x 1af/325,850 gal =0.49→**0.50af**

G. NARRATIVE/REMARKS/COMMENTS

Field exam was completed by Water Resource Agent Justin Shearer on July 20, 2017 and was accompanied by Sr. Lands Resource Specialist Howard Wright of the Department of Lands for the State of Idaho. The Department of Lands (IDL) manages timber contracts for public lands within the State of Idaho. Part of the state's revenue is generated from the selling of said timber contracts. As these contracts are sold, private logging companies are allowed to come into a specified area and begin harvesting timber. This process of harvesting timber and the construction/maintenance of logging roads, especially in the drier months, causes disturbance of soil, and raises dust, largely due to the high traffic of heavy logging trucks and equipment. At the same time, because resource extraction and management of endowment land requires the use of water for dust abatement the IDL uses water trucks for dust suppression, road construction, and road maintenance purposes to maintain road, air, and water quality. WR 65-23376 covers a commercial use of water for dust mitigation purposes. IDL is the original permit holder.

The point of diversion (POD) is located approximately 0.37 miles due west of Warren Wagon Road and 0.5 miles due north-west of Wagon Wheel Bay on Payette Lake, McCall, ID where an unnamed forest service road goes over Wagon Bay Creek. There is no permanent POD structure established as the water trucks have an engine run pump on them and use a hose placed in the creek to divert water. The Place of Use (POU) area entails forest service roads scattered throughout roughly 10,000 acres of the Payette National Forest in the surrounding vicinity of Payette Lake. At the POD water trucks with 4,000 gallon tanks fill up by placing a hose in Wagon Bay Creek and pump for 13-19 minutes until the truck is filled. From there, the trucks travel within the POU along forest service roads and the water is applied as needed for dust suppression purposes. A measurement of pumping rate could not be obtained during the exam, however usage estimates were provided by the applicant; rate and volume were calculated from these figures. There is no POD overlap on Wagon Bay Creek. There is no pertinent POU overlap.

Aerial imagery, and the on-site field exam were used to determine the POU. ArcMap tools were used to examine the extent of the POU. During the field exam Mr. Wright provided information regarding the amount of water used on an average basis to fill up the water trucks. He also provided estimates of how long it takes the trucks to fill up when diverting out of the creek. This information was used to calculate the flow rate 0.69 cfs (see Section E) and the volume of 0.50 af (see Section F).

The system does not have the capabilities to be lockable, nor does it have a measuring device. However, a request to waive the requirement to maintain a measuring device and lockable control works was approved by Water District No. 65 Watermaster Ron Shurtleff October 27, 2017 stating that it is appropriate at this time to waive the requirements for a measuring and locking device on WR 65-23376 based on the diversion method and the intended usage. Condition R43 was modified to specify that in the future the water right holder may be required to install and maintain a measuring device and lockable control works. Condition X05 was added to describe the Commercial Use.

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

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
COMMERCIAL	05/15 to 12/15	0.69 CFS	0.50 AF
<u>Totals:</u>		0.690 CFS	0.50 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

Field Examiner's Name [Signature] Date 3/20/2018
Reviewer [Signature] Date 3/20/18



Unnamed dirt road
just up hill and to
the west from
Warren Wagon
Road.



Wagon Bay Creek
going under the dirt
road at the POD



Wagon Bay Creek
at the POD



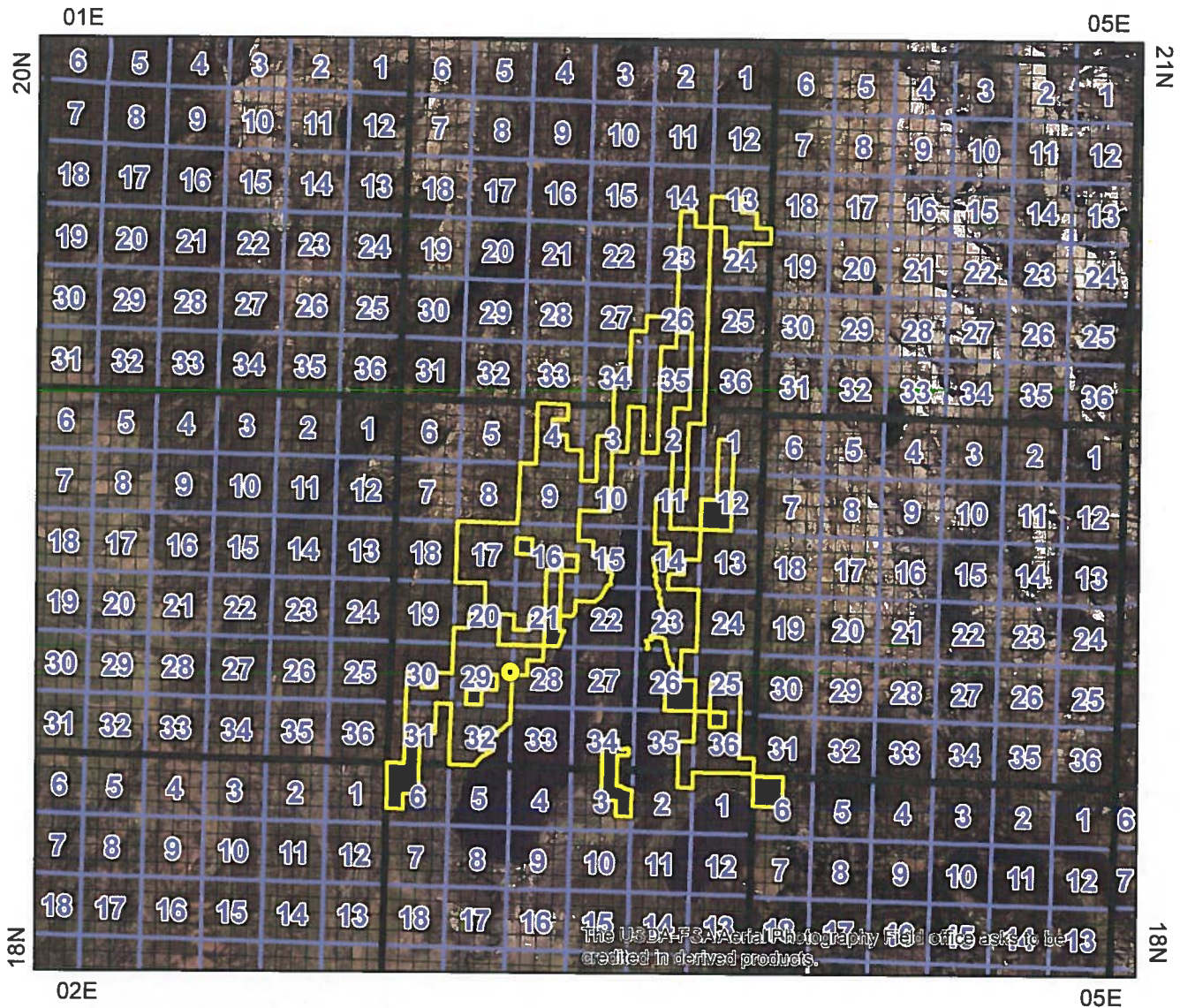
Wagon Bay Creek
at the POD

State of Idaho
Department of Water Resources

Attachment to Water Right License

65-23376

This map depicts the COMMERCIAL place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



● Point of Diversion

Place Of Use Boundary

Townships

PLS Sections

0 1.75 3.5 7 Miles

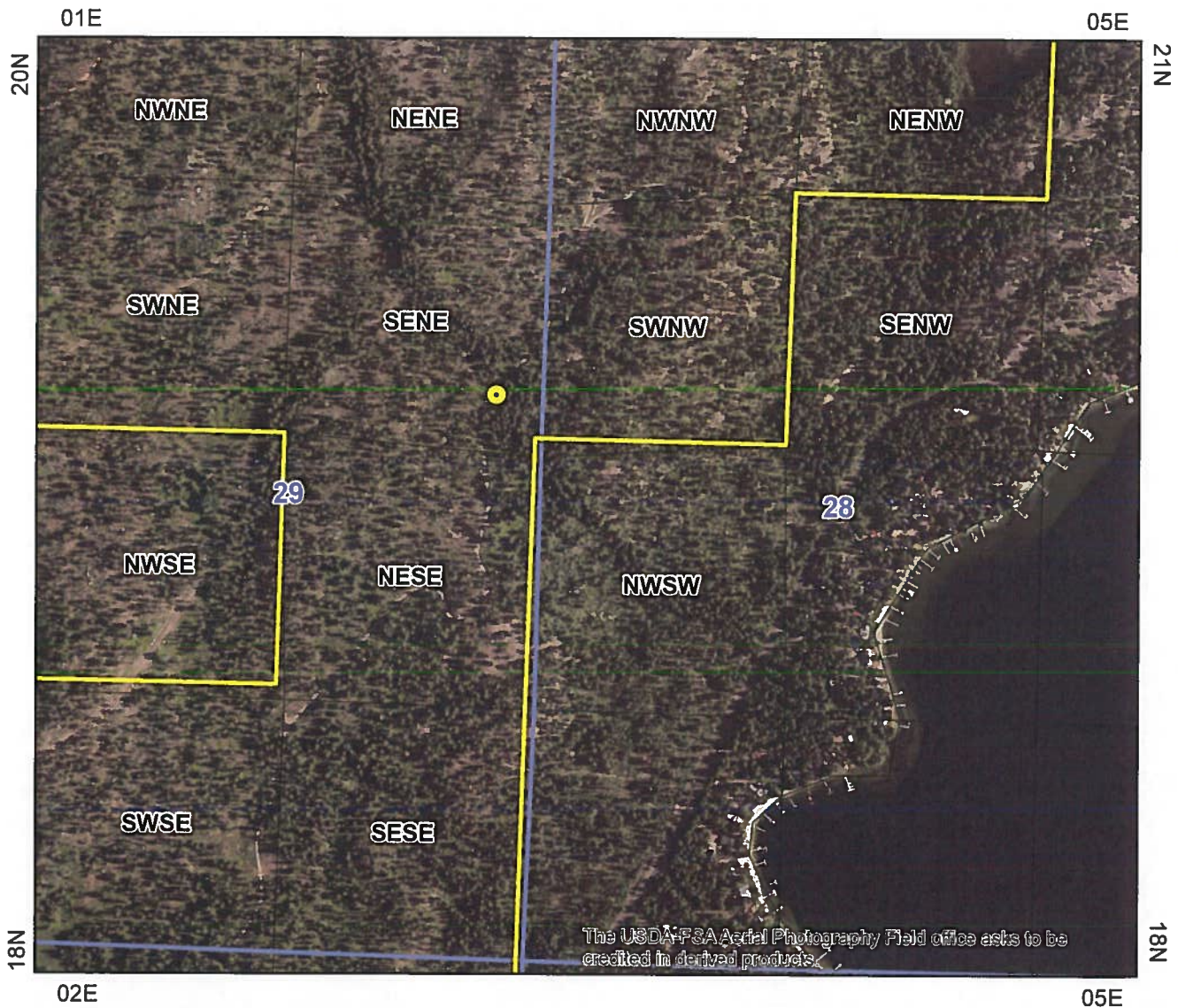


State of Idaho
Department of Water Resources

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● Point of Diversion

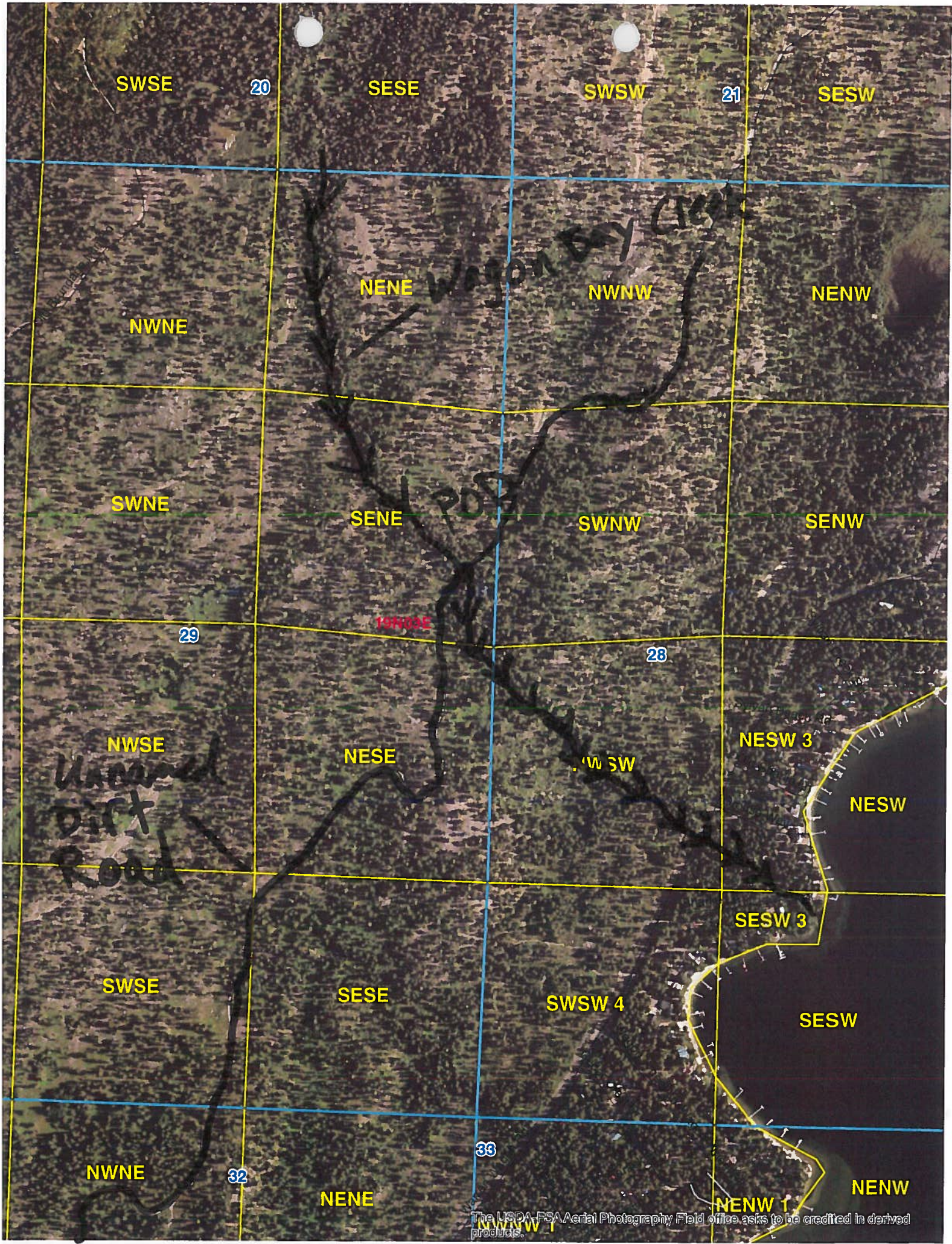
□ Place Of Use Boundary

□ Townships

□ PLS Sections

0 0.1 0.2 0.4 Miles





SWSE

20

SESE

SWSW

21

SESW

NWNE

NENE

NWNW

NENW

SWNE

SENE

SWNW

SENW

29

10N03E

28

NWSE

NESE

NW SW

NESW 3

NESW

SESW 3

SWSE

SESE

SWSW 4

SESW

NWNE

32

NENE

33

NENW 1

NENW

The USDA-FSA Aerial Photography Field office asks to be credited in derived products.

Payette River Basin, State of Idaho
State, Water District No. 65

Watermaster,
Ron Shurtleff

102 N. Main
Payette, ID 83661

Phone: 208-642-4465
Fax: 208-642-1042
E-mail: wd65@srvinet.com

October 27, 2017

Mr. Nicholas Miller
Western Region Manager
Idaho Department of Water Resources
2735 Airport Way
Boise, ID 83705-5082

RECEIVED
OCT 30 2017
WATER RESOURCES
WESTERN REGION

Re: Idaho Department of lands request to waive the requirement for a measuring and lockable control works for Water Right application 65-23376

Dear Mr. Miller,

I received a request from the Department of Lands to waive the requirement for a measuring and lockable control device for water right 65-23376. The basis for the request is because of the method of diversion and the intended usage.

The usage is for dust abatement during construction projects. The method of diversion will be via tender trucks which will be equipped with withdrawal pumps to pull water from the stream without the need for a permanent structure.

I agree that it is appropriate at this time to waive the requirements for a measuring and locking device on Water Right No. 65-23376 based on this diversion method and the intended usage.

Sincerely,



Ron Shurtleff



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

July 3, 2017

STATE OF IDAHO
DEPT OF LANDS
555 DEINHARD LN
MCCALL, ID 83638

COPY

RE: Scheduling Field Exam for Water Right Permit No. 65-23376

Dear Permit Holder:

We are planning to conduct water right examinations in the vicinity of the above-referenced permit **this season**. An examination is needed to verify the water use in order to issue a water right license.

The above-referenced permit authorizes **0.780 CFS** from a **WAGON BAY CREEK**, tributary to **PAYETTE LAKE** for **COMMERICAL** use. **If you have developed a beneficial use and still own the place of use property, please contact me at your earliest convenience to schedule an examination.**

If you did not develop a beneficial use of water under the permit during the beneficial use period, a license cannot be issued and the permit should be relinquished. If that use was developed, but have ceased using the water and you currently carry no interest in it, please relinquish the permit by submitting the enclosed Relinquishment of Permit form (no fee required).

If you did develop a beneficial use of water under the permit, but you no longer own the place of use property identified in the permit, please submit the enclosed Assignment of Permit form with the applicable \$25 processing fee.

Please contact me within the next thirty (30) days at (208) 334-2190 to either schedule an examination or submit a relinquishment or assignment form. If you no longer own the place of use property and/or do not respond to this letter, the department will work with the current property owner to issue a license or void the permit.

Sincerely,

Justin Shearer
Water Resource Agent

Enclosures: Relinquishment of Permit form
Assignment of Permit form
Water Permit Report and Map