

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-23375
Exam Date: 7/20/2017

1. Current Owner:
STATE OF IDAHO
DEPT OF LANDS
STATEHOUSE
BOISE ID 83720
(208) 634-7125
2. Accompanied by: Howard Right
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:**
PADDY CREEK

TRIBUTARY:
RAPID CREEK

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:**

PADDY CREEK SW¼NE¼NE¼ Sec. 28, Twp 17N, Rge 04E, B.M. VALLEY County

Method of Determination: Handheld GPS, N44°47.131', W115°58.284'

2. PLACE OF USE: COMMERCIAL

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
17N	04E	21								X	X			X			X	X	
17N	04E	22				X							X		X			X	
17N	04E	28	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
17N	04E	33	X	X	X	X	X		X	X	X	X		X	X	X	X		
17N	04E	34										X	X						

Method of Determination: Information obtained from the representative of the applicant during exam.

3. Delivery System Diagram Attached (required). Indicate all major components and distances between components.
NA Indicate weir size/pipe as applicable.
X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
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
- 13-19 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 to for dust suppression purposes, road construction purposes, and road maintenance purposes to maintain air quality and water quality. WR 65-23375 covers a commercial use of water for dust mitigation purposes. IDL is the original permit holder.

The point of diversion (POD) is located approximately 10.5 miles SE of McCall, ID in the Payette National Forest, where National Forest Development Road 389 goes over Paddy 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) is located in the same local vicinity of the Payette National Forest as the POD, scattered across 39 forty-acre quarter-quarter plots. At the POD 4,000 gallon water trucks fill up by placing a hose in Paddy 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 Paddy 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 July 14, 2014 with the stipulation that he would like to reserve the right to reinstate the requirement in the future if it should become necessary. 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	0.5 AF
	<u>Totals:</u>	0.690 CFS	0.50 AF

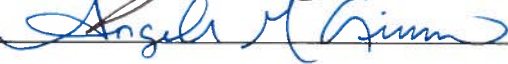
2. Recommended Amendments

☐ 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

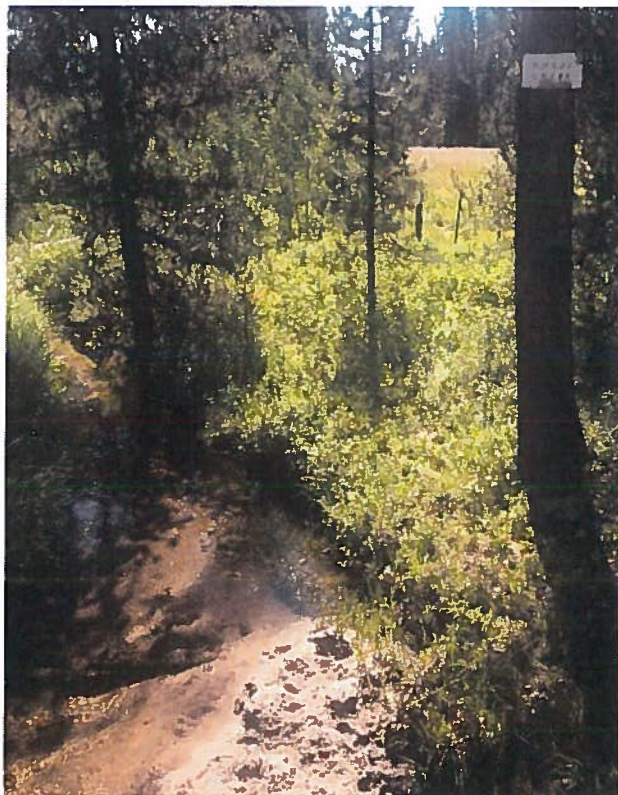
I. AUTHENTICATION

Field Examiner's Name  Date 10/26/17

Reviewer  Date 12/22/2017



Paddy Creek POD.



Paddy Creek POD.

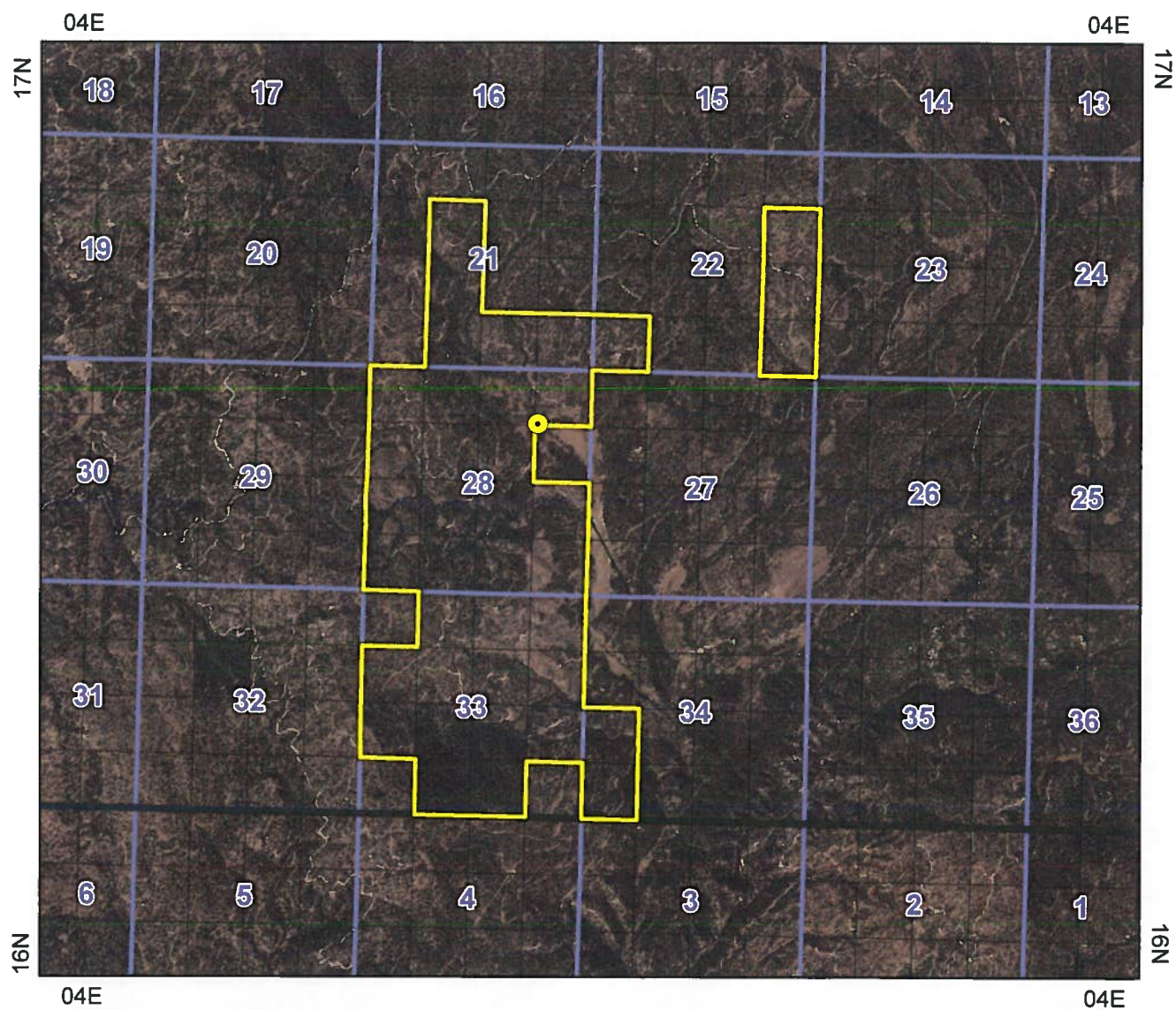


Paddy Creek POD.



Example of dirt road in POU that would need dust suppression.

State of Idaho
Department of Water Resources
Water Right License
65-23375



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



NESW

NWSE

NESE

NWSW

21

22

SESW

SWSE

SESE

SWSW

NENW

NWNE

NENE

NWNW

17N04E

Nat Fwy Rd 4389

Paddy Flats

SENW

SWNE

SENE

SWNW

28

27

NESW

NWSE

NESE

NWSW

SESW

SWSE

SESE

SWSW

SWSW

Hemlock Rd

Paddy Flats Rd



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

June 29, 2017

COPY

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

RE: Scheduling Field Exam for Water Right Permit No. 65-23375

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 **PADDY CREEK** tributary to **RAPID CREEK** for **COMMERCIAL** 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