

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

A. GENERAL INFORMATION

Permit No: 74-7384

Exam Date: 06/27/12

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? ☒X ☐Y ☐N
- a. Irrigation of 5 acres or less
- b. Storage of up to 14.6 AF for stockwater purposes only
- c. Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
- d. Other < >
2. Current Owner: Name: US Forest Service
- 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: C047001

4. SOURCE TRIBUTARY
- Spring Sinks
- Method of Determination: GPS & Photos of spring provided by permit holder.
- 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:

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

Water Right No.	Source	Purpose of Use	Basis
74-14717	Spring	Stockwater	Decreed

Comments: 74-14717 is for historic use of spring. 74-7384 for troughs built from spring.

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Spring		NW	SE	SW	8	15N	28E	B.M.	Lemhi
Spring		NW	SE	SW	8	15N	28E	B.M.	

Method of Determination: GPS & Photos of spring provided by permit holder.

Change in POD? ☒X ☐Y ☐N Amendment Required? ☒X ☐Y ☐N

Addition of second, separate point of diversion to the system.

2. PLACE OF USE: Use: 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	
15N	28E	8																X	
		Lot #																	
15N	28E	17		X															
		Lot #																	
Total Acres =																			

Method of Determination: GPS & Photos provided by permit holder.

Change in POU? ___Y ___X___N Amendment Required? ___Y ___X___N

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

System consists of 2 springs which feed a 10,000 gal bladder that feeds 3 troughs.

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:

0.02 cfs below recommendation of Application Processing Memo #3 for 1134 head.

Permit allowed = 0.02 cfs
License recommend for 0.02 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

V_{I.R.} = (Acres Irrigated) x (Irrigation Requirement) = ____

V_{D.R.} = [Diversion Rate (cfs)] x (Days in Irrigation season) x 1.9835 = ____

V = Smaller of $V_{I.R.}$ and $V_{D.R.}$ = _____

2. Volume Calculations for Other Uses:
Per Application Processing Memo #3, sec. 3 1134 X 0.0134 = 15.2 afa

0.02 cfs X 123 X 1.9835 = 4.9 (Season of use 07/01 to 10/31)

License recommend for 4.9 afa.

G. PURPOSE OF USE

Irrigation _____N # Stock 1134 cattle _____ Domestic # of Homes _____

Other: Wildlife use condition.

Change in Purpose of Use? ____Y ____X ____N

Method of Determination: Photos provided by permit holder.

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

H. NARRATIVE/REMARKS/COMMENTS

Headgate: 3.5. Cons. Use: 2.5
POU Locally known as Weetip Pipeline
In Water District 74W
Wild and Scenic Watershed – Salmon R. excluding Mid. F.

1134 head of stock can consume 13,608 gallons of water per day. (12 gpd/hd X 1134 head = 13,608 gals)
The bladder in this system is a 10,000 gallon bladder which is less than the dialer water needs of the livestock. No storage component is needed to cover the use of the bladder.

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>
Stockwater	07/01 to 10/31	0.02 CFS	4.9 AF
<u>Totals:</u>		0.02 CFS	4.9 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:

J. AUTHENTICATION

Field Examiner's Name Danille Farnau Date 10/04/13

Reviewer David A. Nelson Date 10-7-2013

POD

Basin	Sequence	Suffix	Version Number	Process	Basis	Status	Draft	RightID	Priority Date	Diversion Rate	Source List	Water Use List	Current Owner	Other Owner
74	14717			Water Right	Decreed	Active	N	410356	6/1/1876	0.02	SPRING	STOCKWATER	UNITED STATES OF AMERICA ACTING THROUGH	
74	7384			Water Permit		Active	N	112233	7/22/1998	0.02	SPRING	STOCKWATER	US DEPT OF AGRICULTURE	
								Leased to	Application ID	Approval Date	Total Acres	Acre Limit	Volume	Water District
								No						
								No		10/29/1998				

POU

Basin	Sequence	Suffix	Version Number	Process	Basis	Status	Draft	RightID	Priority Date	Diversion Rate	Source List	Water Use List	Current Owner	Other Owner
74	7384			Water Permit		Active	N	112233	7/22/1998	0.02	SPRING	STOCKWATER	US DEPT OF AGRICULTURE	
								Leased to	Application ID	Approval Date	Total Acres	Acre Limit	Volume	Water District
								No		10/29/1998				

Type	WR #	Owner	Source	TRS	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total
Right	74 1173	USDA FOREST SERVICE,	SPRINGS	15N28E8				X													0
Right	74 1191	USDA FOREST SERVICE,	SPRINGS	15N28E8											X						0
Permit	74 7384	US DEPT OF AGRICULTURE,	SPRING	15N28E8															X		0
Right	74 14717	UNITED STATES OF AMERICA ACTING THROUGH,	SPRING	15N28E8												X					0

Favreau, Danielle

From: Spencer, Steven M -FS [sspencer@fs.fed.us]
Sent: Monday, August 20, 2012 10:57 AM
To: Favreau, Danielle
Subject: Permits to Licenses
Attachments: USGS Map.jpg

Danielle,

Here is a little update on three of the permits identified with possible duplicates:

1. The attached USGS Map shows that Permit 74-07336 is not a duplicate of Decree 74-10439. The Permit is map number 12-075 showing a spring in the SESESE with a pipe going to a trough in the SWSE. The Decree is the Spring, map number 12-111. I'm working with my folks to get site information for the Permit.
2. Permits 74-07384 and 74-07385 are not duplicates of Decrees 74-14717 and 74-14712 respectively. These are examples of the decrees being for the watering at the spring source based on historic beneficial use while the permits are for pipelines constructed much later with modern technology that take water from the same spring source to more distant locations historically without water. Again, I'm working with my folks to get available site information on the troughs on these pipelines.

I'll get information to you as soon as I get it.

If you have any questions about this business please contact me.

Thank you.

Steve Spencer
USDA Forest Service
1805 Hwy 16 Rm 5
Emmett, ID 83617

Phone: 208-365-7055
Email: sspencer@fs.fed.us

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Favreau, Danielle

From: Spencer, Steven M -FS [sspencer@fs.fed.us]
Sent: Friday, September 27, 2013 2:21 PM
To: Favreau, Danielle
Subject: 74-07384 Field Verification
Attachments: 74-07384 Field Verification.docx; IDWR Map Maker 74-07384 POD.pdf; Wetlands Mapper 74-07384 PODs.pdf; BLM MTP T15N R28E.pdf

Danielle,

The field verification for 74-07384 is attached. It has excellent photos and GPS coordinates. It looks like there were two springs collected. The first one is very close to a quarter-quarter line. I've looked up other imagery (Wetlands Mapper). Although the photo doesn't show it, when it is on the screen prior to printing I could pinpoint the coordinates. They appear to be in the NWSESW of Sec 8, the first one in the extreme NWSESW. The rectangular fence around the second spring is visible in the lower right of the Wetlands photo. If your imagery is the same then the legals in the permit would be correct. If not an amendment might be needed with the two quarter-quarter-quarters for the PODs. One other ameliorating consideration might be that we are truly in unsurveyed country. The information I have is that the forest boundary is surveyed but there don't appear to be any interior section corners surveyed – let alone quarter-quarters. So what we are juggling here are projections and not actual on-the-ground survey information. Let me know what you think.

Steve

	Steven M. Spencer Water Use Specialist USDA Forest Service 1805 Hwy 16 Rm 5 Emmett, ID 83617 sspencer@fs.fed.us (208) 365-7055	
<i>Any intelligent fool can make things bigger, more complex, and more violent. It takes a touch of genius – and a lot of courage -- to move in the opposite direction. – Albert Einstein</i>		

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Water Right Verification
Salmon-Challis National Forest

Water Right #	74-07384 (permit)
Water Development Name	Little Bear 2 Pipeline
Date Verified	9/23/2013
Personnel	MacFarlane/Deschaine

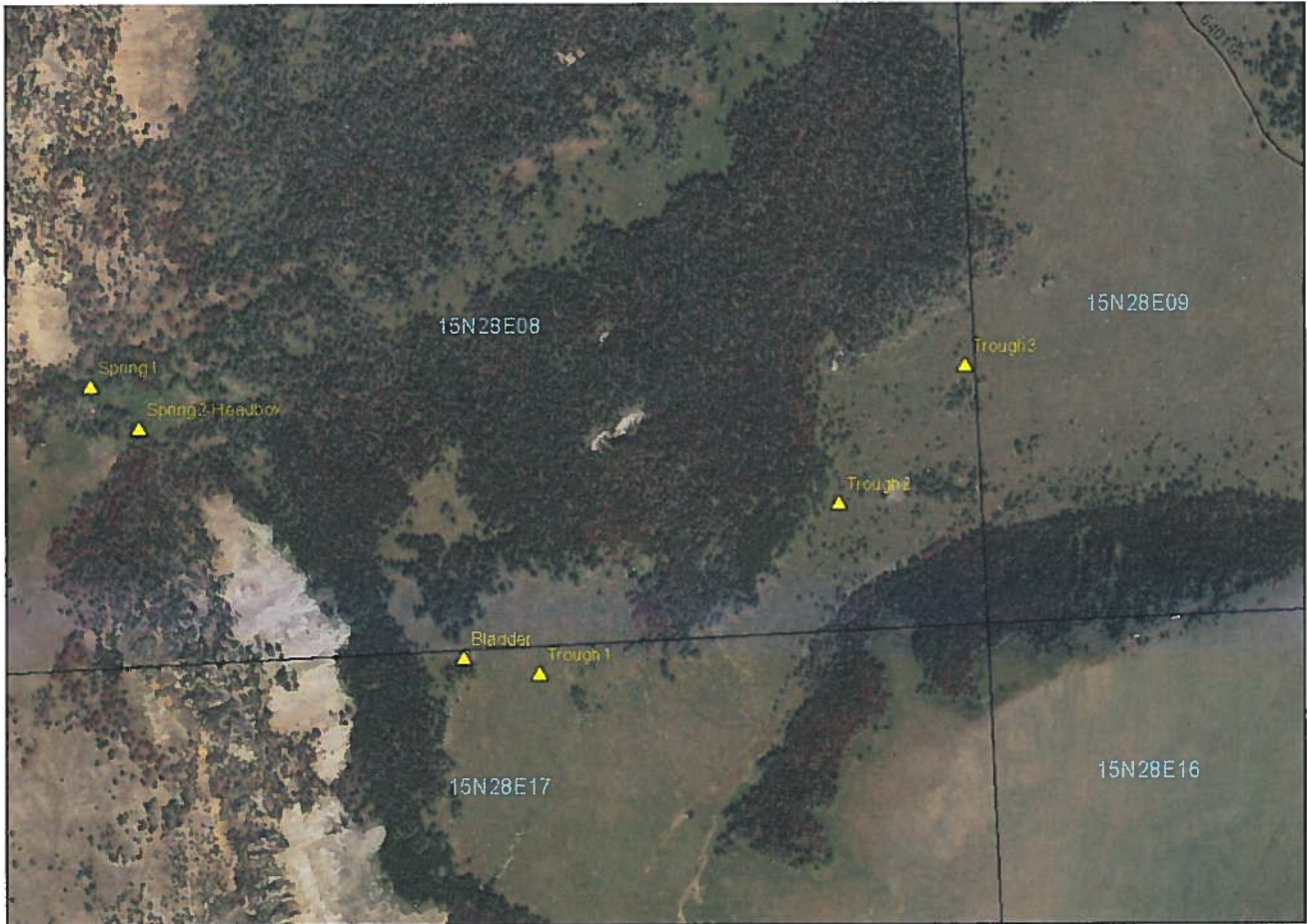
General Description: The Little Bear 2 Pipeline is approximately 5,000 feet long. This water development includes two spring sources, 1 bladder storage, and 3 tire troughs. This site is accessed by hiking from FR#019 (4WD), via Big Bear Creek Road (FR#177) in the Hawley Creek drainage.

Water Right legal description:

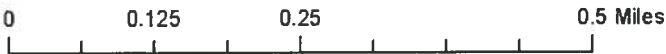
	Water Right Permit (74-07384)
2 PODs	NW¼ SE¼ SW¼ S08 T15N R28E
3 POUs	X2 SE¼ SE¼ S08 T15N R28E
	NW¼ NE¼ S17 T15N R28E

Does verified location match water right legal description: YES

Site map with verified point locations:



Water Right Verification - 2013
#74-07384 / 74-14717
Little Bear 2 Pipeline, 9-23-2013



Point of Diversion (POD): Spring #1

Verified GPS Coordinates (NAD83): 12T / 0329721 / 4945230

Verified Legal Location: NW¼ SE¼ SW¼ S08 T15N R28E (*very close to bndry with NESWSW S08*)

The initial point of diversion is a spring at the base of a rocky/grassy hillslope. Water is diverted via a 2-foot by 1-foot screen box into a 1¼-inch plastic pipe. A trickle was flowing into the diversion at the time of the visit. This diversion appeared to be functional. The area is unfenced.

Photos (9/23/2013):

**Point of Diversion (POD): Spring #2 / Headbox**

Verified GPS Coordinates (NAD83): 12T / 0329783 / 4945167

Verified Legal Location: NW¼ SE¼ SW¼ S08 T15N R28E

From Spring #1 (see above), a 1¼-inch pipeline runs approximately 300 feet to a secondary point of diversion at Spring #2. This site has a 2-foot diameter CMP headbox, which captures water from this spring as well as the outflow of the pipe from Spring #1, into a 2-inch plastic pipeline. This is a flat area at the base of a slope, with standing water. An 18-foot by 34-foot 3-rail wooden fence surrounds the spring and headbox. The headbox appeared to be functional at the time of the visit, but it did not appear that Spring #2 was producing very much flow.

Photos (9/23/2013):



Pipeline: Bladder System

Verified GPS Coordinates (NAD83): 12T / 0330207 / 4944818
Verified Legal Location: NW¼ NE¼ S17 T15N R28E

The pipeline goes approximately 1900 feet from the Spring #2 Headbox to a 10,000-gallon bladder. The pipeline reduces from a 2-inch to a 1¼-inch pipe about half way between these sites. The pipe is partially buried, and partially on the surface. The 20-foot by 20-foot bladder is in a 3-foot deep square excavation surrounded by a 36-foot by 60-foot jack fence. The fence is old, but intact and functional.

Photos (9/23/2013):

**Place of Use (POU): Trough #1**

Verified GPS Coordinates (NAD83): 12T / 0330309 / 4944788
Verified Legal Location: NW¼ NE¼ S17 T15N R28E

The trough is a 9-foot diameter tire trough with a new-looking 2-foot diameter CMP in the center. The trough has a float valve and escape ramp. At the time of the visit, the trough was full and appeared to be functional and in good condition.

Photos (9/23/2013):



Place of Use (POU): Trough #2

Verified GPS Coordinates (NAD83): 12T / 0330738 / 4944990

Verified Legal Location: SE¼ SE¼ S08 T15N R28E

The trough is a 9-foot diameter tire trough with a 2-foot diameter CMP in the center. The trough has a float valve and escape ramp. At the time of the visit, the trough was full and appeared to be functional and in good condition.

Photos (9/23/2013):

**Place of Use (POU): Trough #3**

Verified GPS Coordinates (NAD83): 12T / 0330926 / 4945167

Verified Legal Location: SE¼ SE¼ S08 T15N R28E

The trough is a 9-foot diameter tire trough with a 2-foot diameter CMP in the center. The trough has a float valve and escape ramp. At the time of the visit, the trough was less than ¼ full. A trickle of water was flowing into the trough.

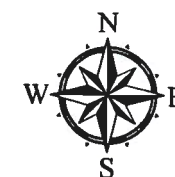
Photos (9/23/2013):





Legend

-  ESPA
-  GCDB Township/Range
-  GCDB Section
-  GCDB Quarter-Quarter
-  Counties





U.S. Fish and Wildlife Service

National Wetlands Inventory

74-07384 PODs
SWSE Sec 8 T15N
R28E

Sep 27, 2013

No operational layers
selected or no legend
available



User Remarks:

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Protraction Diagram No 64 approved 1/22/1965

SALMON DISTRICT SEC 3

[illegible]

FOR ORDERS EFFECTING DISPOSAL OR USE OF UNIDENTIFIED LANDS REFER TO INDEX OF MISCELLANEOUS DOCUMENTS.

CURRENT TO	CURRENT TO
1.3 (1/1)	

USE PLAT 9:

T. 15N.

R. 20E

WARNING STATEMENT

WARNING STATEMENT

This plot is the Bureau's Record of Title, and should be used only as a graphic display of the township's survey data. Records herein do not reflect title changes which may have been effected by lateral movements of shores or other bodies of water. Refer to the cadastral surveys for official survey information.

THE NOTATION SHOWN ON WITHDRAWALS REPRESENT THE LAST ACTION TAKEN BUT MAY NOT BE THE EFFECTIVE DATE. SEE THE HISTORICAL INDEX FOR THE DATE OF THE ORIGINAL WITHDRAWAL ORDER

SCALE In Chains