

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-13894

Exam Date: 12/2/2013

1. Current Owner: Idaho Water Resources Board
322 E Front St
BOISE ID 83707
(208)287-4800

2. **SOURCE**

North Fork Payette River

TRIBUTARY

Payette River

B. OVERLAP REVIEW

1. Other water rights with the same place of use: N/A
2. Other water rights with the same point of diversion: 65-2918

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

North Fork Payette River; SE ¼ SE ¼ Sec. 36, Twp 21N Rng 03E, B.M. VALLEY County
(Beginning of Reach)

North Fork Payette River; SE ¼ SW ¼ Sec. 35, Twp 20N Rng 03E, B.M. VALLEY County
(Ending of Reach)

Method of Determination: Visual Inspection of Imagery

2. N/A Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
X Aerial Photo Attached (required for irrigation of 10+ acres).
N/A Photo of Diversion and System Attached

3.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
N/A					

*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
N/A						

2. Measurements: N/A**E. FLOW CALCULATIONS** Additional Computation Sheets Attached

Measured Method: N/A

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

2. Volume Calculations for Other Uses: Minimum Streamflow, Non-consumptive

No annual volume limitation required.

G. NARRATIVE/REMARKS/COMMENTS

This Minimum Streamflow permit in the name of the Idaho Water Resources Board is requesting flows from 35 cfs to 60 cfs at locations along the North Fork Payette River from below Upper Payette Lake Dam to the confluence of the North Fork Payette River with Box Creek between July 1 and September 7. These flows and reaches are listed in the Preliminary Order under Findings of Fact #1 dated 11/23/1999.

Discussion with Ron Shurtleff, watermaster for the Payette basin, indicated 35 cfs from Upper Payette Lake releases is reasonable during this time. The 35 cfs is what is required for the beginning of the MSF reach. Ron also said flows generally increase in August to meet demands of Big Payette Lake releases. Records from 1994 – 2003 for the USGS gage below Fisher Creek, near the end of the MSF reach, shows sufficient water on average in July to meet the maximum flow (60 cfs) required by the MSF. If a gage is required to be installed to meet one of the conditions of approval, the location below Fisher Creek would be a good one. There are no diversions below this gage to the confluence with Box Creek.

Except for storage rights in Upper Payette Lake in the name of Lake Reservoir Company, all Active status rights above the beginning of this permit are instream stockwater or domestic use from ground water and springs for USFS campgrounds. All are for 0.02 cfs and should not be affected by this permit.

The beginning POD legal description is incorrect for being Upper Payette Lake dam. I will send a licensing amendment to Brian Patton requesting a change in this legal to Township 21N 03E 36 SESE as described in this document.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
MINIMUM STREAMFLOW	7/1 – 9/7	60 CFS	N/A
<u>Totals:</u>		60 CFS	N/A

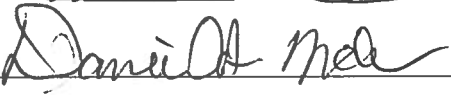
2. Recommended Amendments

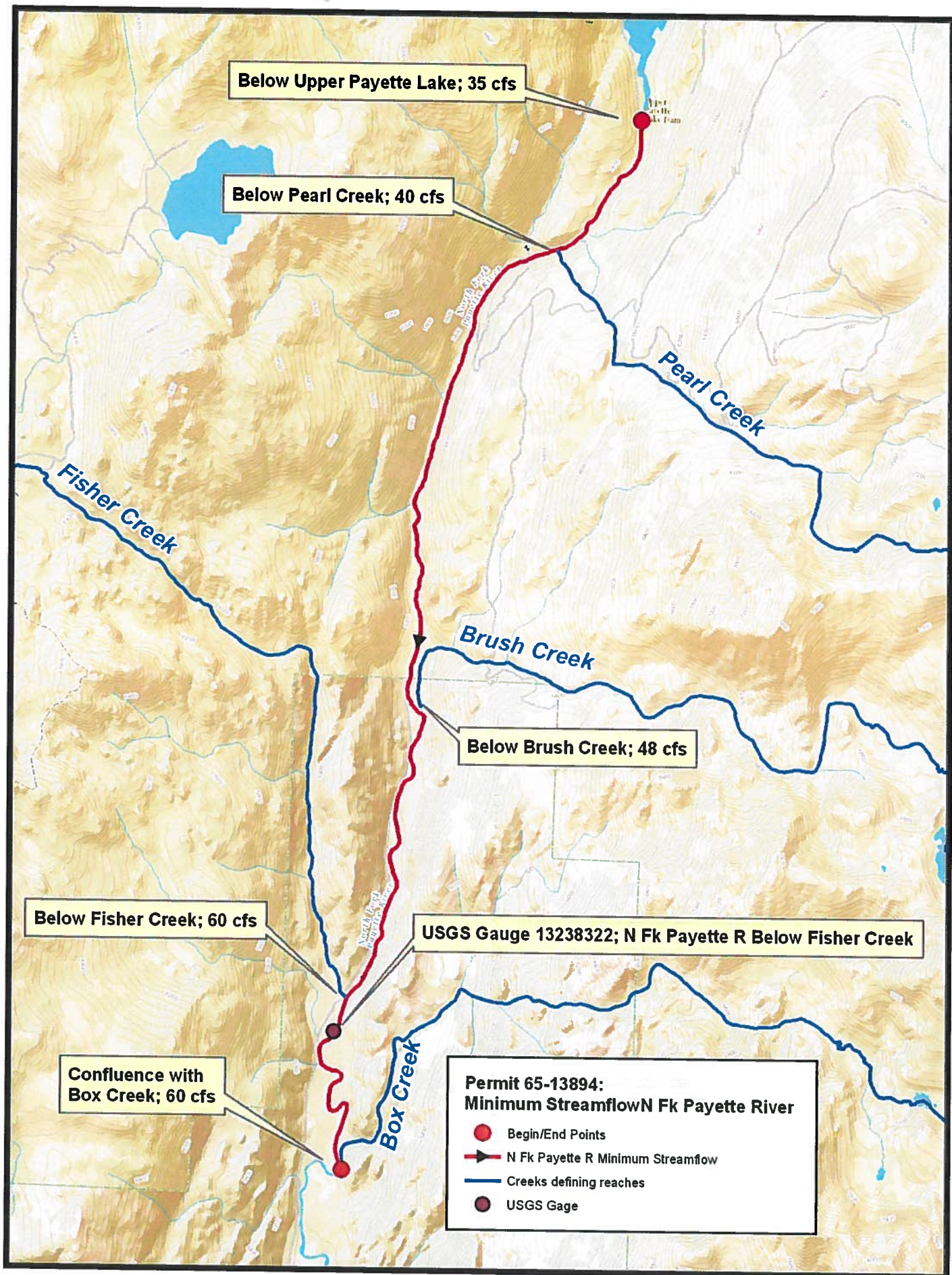
☒ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION Michael Ciscell – Senior GIS Analyst

Field Examiner's Name:  Date 12/17/2013

Reviewer:  Date 12-31-13



36

21N03E

NESE

NWSW 3

The Beginning Point of
Division is clearly in

31 21N04E

SESE

SWSW 4

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The only gage that could be found in the USGS National Water Information System was Gage 13238322, North Fork Payette River below Fisher Creek. The USGS gage below Fisher Creek only has records from 1994 – 2003. These records show that flows at this gauge do reach 60 cfs as required by the permit at certain times during the July 1st through September 7th dates listed on the permit.

Below is a table of the percent of days, within the season of use for this permit, when the daily cfs at the gage below Fisher Creek met or exceeded the minimum flow of 60 cfs per the permit for this reach for the years 1995 – 2003. From these numbers, the minimum flow was met 47% of the days within the season of use.

Year	Percent number of days meeting or exceeding the Minimum Flow
1995	69.6
1996	46.4
1997	92.8
1998	59.4
1999	85.5
2000	13.0
2001	27.5
2002	18.8
2003	13.0
Average	47.3

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The beginning POD legal description is incorrect for being the Upper Payette Lake dam. I will send a licensing amendment to Brian Patton requesting a change in this legal to where the dam is located.