

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 79-7250

Exam Date: 9/30/2011

1. Current Owner: JAMES A KLAUS
HC 1 BOX 64
WHITE BIRD ID 83554
(208)839-2291
2. Accompanied by: Michael W. Klaus Email: mklaushaus@aol.com
Phone No: (509)966-7563, cabin phone # (208)839-2291
Address: 3 South 55th, Yakima, WA 98908-3153
Relationship to Permit Holder: son of James, and current owner of the property where the POD/POU are located.
Michael was given a copy of the ownership change form at the time of the field exam, and emailed a copy on 10/12/2011. The Tax Lot Information that was updated on 8/4/2009 shows Michael Klaus as the current owner of the property where the POD/POU are located.

3. SOURCE

GREGORY CREEK

TRIBUTARY

SALMON RIVER

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 SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

GREGORY CREEK SW1/4SW1/4 Sec. 20, Twp 28N, Rge 01E, B.M. IDAHO County

Method of Determination: Garmin GPS map 76S

2.

PLACE OF USE: AESTHETIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
28N	01E	20												X					

Method of Determination: Garmin GPS map 76S, and ArcMap2009

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
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A0016944 (attached to a tree by the POD/dam) screened intake at dam, with entire enclosed 1 ¼ inch pipe system, and gravity flow

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1. Measurements: Due to "no live flow" of water in the system, a pipe flow conversion was utilized to measure the maximum capacity of a 1 ¼ inch pipe. Both the intake that discharges into the vinyl lined pond, and the output to Gregory Creek are completely piped, and are both 1 ¼ inch ABS pipe.

$$Q = 5 \times 3.1416 \times r\text{-squared}$$

$$5 \times 3.1416 \times 0.02712674 = 0.04 \text{ cfs intake into pond and output discharged back into Gregory Ck. (enclosed system)}$$

RECOMMEND: 0.04 cfs

E. VOLUME CALCULATIONS

1. Volume Calculations:

$$(6' \times 3' \times 2')/43560 = 0.000826446 \text{ af}$$

Less than 0.1 af therefore cannot be recommended for storage, but is considered a detail of the live flow.

NO VOLUME RECOMMENDED.

F. NARRATIVE/REMARKS/COMMENTS

At the POD there is a dammed area in Gregory Creek with an overflow. In the dammed area, a screened intake is located, with a 1 ¼ inch discharge to 1 ¼ inch poly pipe that is piped all the way to the 6 ft X 3 ft X 2 ft deep vinyl lined pond located behind the house. The 1 ¼ inch pipe open discharges into the pond with a flow-through system, then has a 1 ¼ inch overflow that discharges to 1 ¼ inch poly pipe that is piped the entire way down the hillside and discharges back into Gregory Creek. The entire distribution system is enclosed, and is gravity flow. There is a faucet off the 1 ¼ inch line (with a shut off valve) that is located southwest of the pond for fire protection. At the time of the field inspection, there was evidence of bears having been at the intake, and they had pulled the screened intake pipe out of the dammed area. For this reason, the pond was not full, and there was no flow coming from the inlet into the pond or discharging back into Gregory Creek, so no physical measurement could be taken. Also, Michael Klaus stated that Gregory Creek usually has more water running down the creek (possible low flow due to the time of the year, and possibly the reason for the short season of use of only 3/1 – 7/15). Aesthetic use is for waterfall and 6' X 3' X 2' vinyl lined pond.

Directions to POU location: north Hwy 95, take the Hammer Creek turn off to the left (before you get to White Bird). Take Old Hwy 95, turn left on Doumeq Rd, cross the bridge and go right on Doumeq Rd, turn left on Gregory Ck. Rd, stay left at the Bucks Rd/Gregory Ck. Rd intersection. After the Saddle Ridge/Shuck Rd intersection, go about 100 yards and take the drive way/road to the left and continue up the hill about ½ mile to the house (you will go through a gate that says "Klaus Haus" on it.

Have conditions of permit approval been met? ☒ Yes ☐ No The intake is screened; the entire system from the POD to discharge at the pond is totally enclosed (1 ¼ inch pipe), then there is a 1 ¼ inch overflow that discharges into 1 ¼ inch pipe that runs down the hillside and discharges back into Gregory Creek (so it is totally enclosed). The pond is vinyl lined, so there is no loss of water there either. There is a shut off valve, capable of closing the line upstream of the waterfall, for the faucet that was installed for fire protection. Inflow and Outflow are both capable of being measured, if there was any flow of water going into the system (reason for utilizing the pipe conversion measurements for a 1 ¼ inch pipe). If there had been water there to measure, a physical measurement could have been easily obtained by collecting a 5-gallon bucket measurement at open discharge line to the pond, and where the pipe discharges back into Gregory Creek.

G. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
AESTHETIC	3/01 to 7/15	0.040 CFS	
<u>Totals:</u>		0.040 CFS	

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

Field Examiner's Name

Sandy Hemenway Date 10/13/2011





20 7250 VI.

21 7250 VI.

22 7250 VI.



POD
screen
intake
to
1 1/4"
ABS
pipe



79-7250 Klaus

S. Hemenway



PDU
1 1/4" inlet
waterfal
+
6'x3'x2'
vinyl
lined
pond

1 1/4"
overflow
discharg
to
1 1/4"
ABS
pipe
that
runs
complet
down
the
hillside
to
Gregory
Creek

09/30/2011



faucet
for
fire
protection

09/30/2011



1 1/4"
ABS
pipe
that
comes
from
pond &
discharg
back
into
Gregory
Creek

79-7250 Klaus

S. Hemerway