

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-22385

Exam Date: 10/17/2012

1. Current Owner: ROBERT ROHE
PO BOX 2288
KETCHUM ID 83340-2288
(208)726-8090
2. Accompanied by: Permit holder

3. SOURCE

GROUND WATER

TRIBUTARY

BIG WOOD RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 37-21956 (irrigation of lawn and evaporative losses in the pond)
2. Other water rights with the same point of diversion: 37-21956 (transfer 73969 changed the PD of 37-21956 to the pond although ground water intercepted in the excavated pond the two rights will share the same PD)

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

GROUND WATER L1 NW1/4NE1/4NE1/4 Sec. 6, Twp 03N, Rge 18E, B.M. BLAINE County

Method of Determination: field visit

2.

PLACE OF USE: RECREATION STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
03N	18E	6	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
			X																
			L1																

Method of Determination: Aerial Imagery

3. ☐ NA 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 DiversionID No.*Motor MakeHpMotor Serial No.Pump MakePump Serial No. or Discharge Size

NA—no conveyance system

D. FLOW MEASUREMENTS

1.

Measurement EquipmentTypeMakeModel No.Serial No.SizeCalib. Date

NA

2. Measurements: NA

E. FLOW CALCULATIONS

Measured Method: NA

N Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

$$351 \text{ ft}^2 \times 2 \text{ ft} = 702 \text{ ft}^3 \text{ or } 0.016 \text{ af}$$

$$494 \text{ ft}^2 \times 2 \text{ ft} = 988 \text{ ft}^3 \text{ or } 0.022 \text{ af}$$

$$715 \text{ ft}^2 \times 3 \text{ ft} = 2145 \text{ ft}^3 \text{ or } 0.049 \text{ af}$$

$$1,014 \text{ ft}^2 \times 3 \text{ ft} = 3,042 \text{ ft}^3 \text{ or } 0.07 \text{ af}$$

$$1,144 \text{ ft}^2 \times 5 \text{ ft} = 5,720 \text{ ft}^3 \text{ or } 0.13 \text{ af}$$

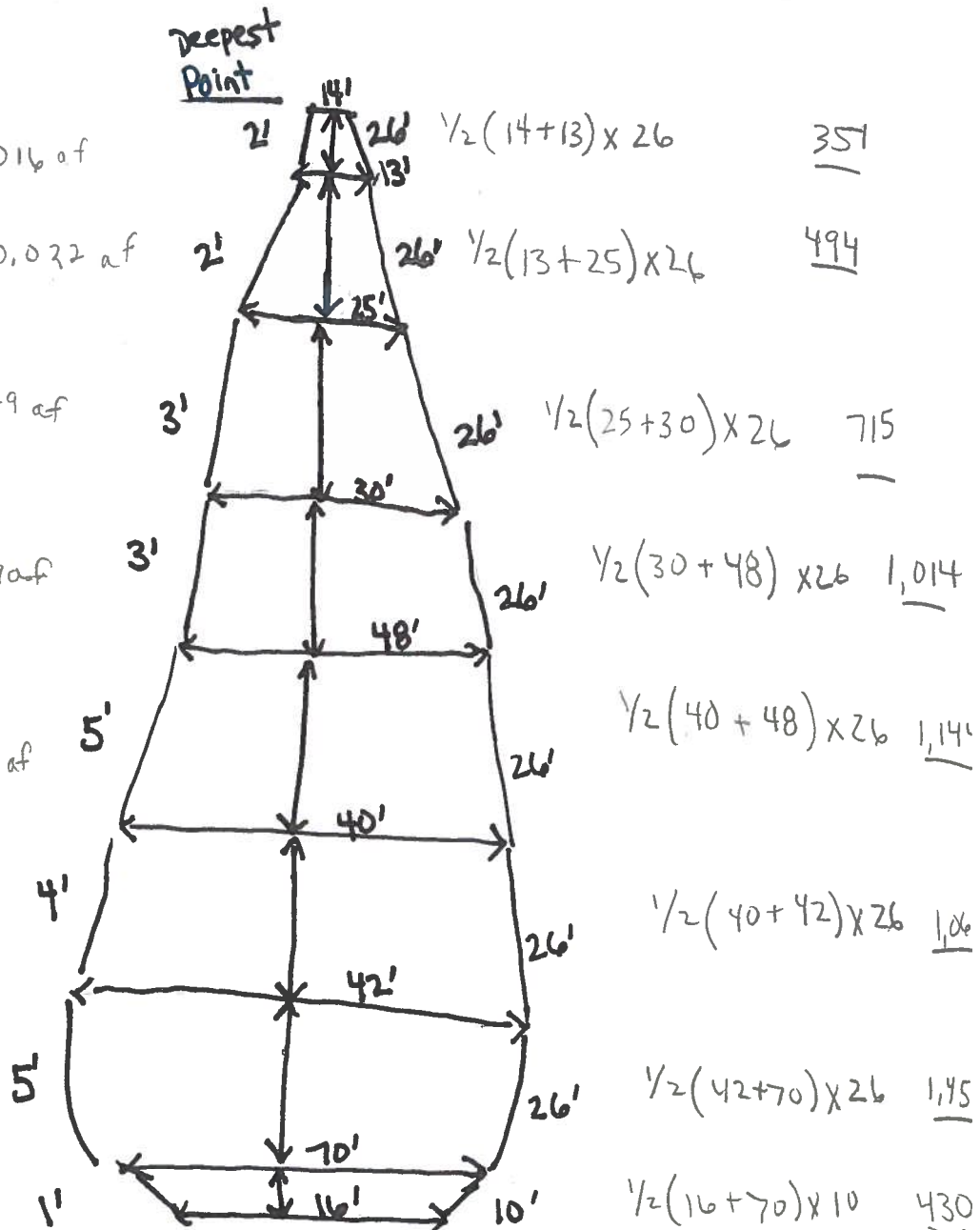
$$1,066 \text{ ft}^2 \times 4 \text{ ft} = 4,264 \text{ ft}^3 \text{ or } 0.099 \text{ af}$$

$$1,456 \text{ ft}^2 \times 5 \text{ ft} = 7,280 \text{ ft}^3 \text{ or } 0.167 \text{ af}$$

$$430 \text{ ft}^2 \times 1 \text{ ft} = 430 \text{ ft}^3 \text{ or } 0.0099 \text{ af}$$

$$\begin{array}{l} 0.56 \text{ af} \\ \times 0.4 \text{ slope factor} \\ \hline \end{array}$$

0.224 or 0.22 af Capacity
of pond



Surface Area
Total 6,670 ft² = 0.15 acre

G. NARRATIVE/REMARKS/COMMENTS

From Evaluation of Sufficiency Memo by Corey Skinner on Transfer 73969

Application proposes transferring a 0.11 cfs Big Wood River right (37-21956) currently diverted through the Hiawatha Canal and used to irrigate 1.0 acre of land in the Northridge Subdivision located approximately 1.1 miles north and 0.25 miles west of the center of Hailey. The application proposes diverting 0.0213 cfs of groundwater (tributary to the Big Wood River) from an excavated pond (proposed by companion application for permit 37-22385) for the irrigation of 0.9 acres on land adjacent to the Big Wood River located approximately 7.5 miles north and 1.7 miles west of the center of Hailey. A 0.01 cfs and 0.1 acre portion of the right will be converted to recreation use to cover the evaporative losses associated with the excavated pond (serving as mitigation for companion application for permit 37-22385). Note that the proposed diversion is a groundwater source that is very near the Big Wood River. The application includes information indicating that the groundwater source and the Big Wood River are connected within a 24 hour period. The application proposes to continue to divert the remaining 0.08 cfs of the right into the Hiawatha Canal for conveyance loss to prevent injury to other rights in the Hiawatha. The area associated with the transfer is located in Water District 37 (Big Wood).

Right 37-21956 included a condition that says:

The 0.01 cfs portion of this right listed as mitigation use shall remain undiverted to compensate for the evaporation losses necessary to maintain the pond authorized under right 37-22385 and to mitigate potential injury to rights 37-7919 and 37-8307.

In order to confirm that the evaporative losses have been mitigated, I asked Mr. Rohe how his irrigation system is configured. He told me that he hasn't installed the system that pulls from the pond as he hasn't needed to use the water. He said he was thinking about developing another portion of land for horse pasture but hasn't done that and probably won't. Given this information I can confirm that 0.01 cfs has remained un-diverted as required.

Once the pond completely fills, excess water will spill into a natural channel where water is eventually returned to the Big Wood. Historically, the location of the pond used to be part of the natural stream channel where spring run-off flows would collect.

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>
RECREATION STORAGE	01/01 to 12/31	NA	0.22 AF
<u>Totals:</u>			0.22 AF

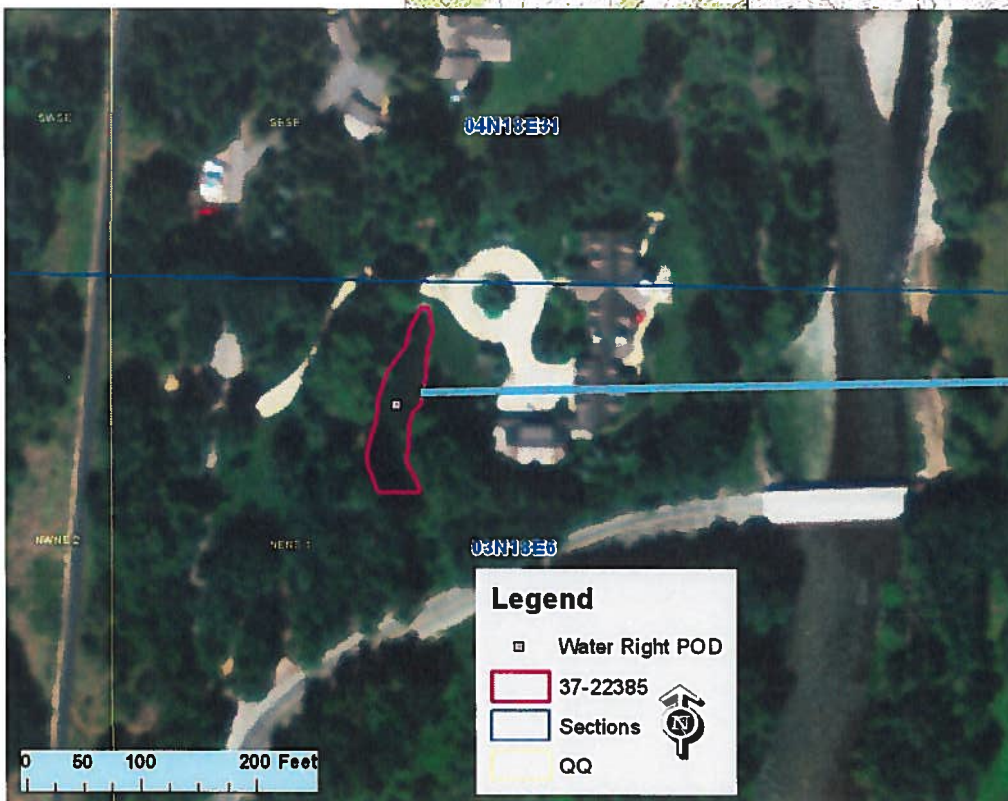
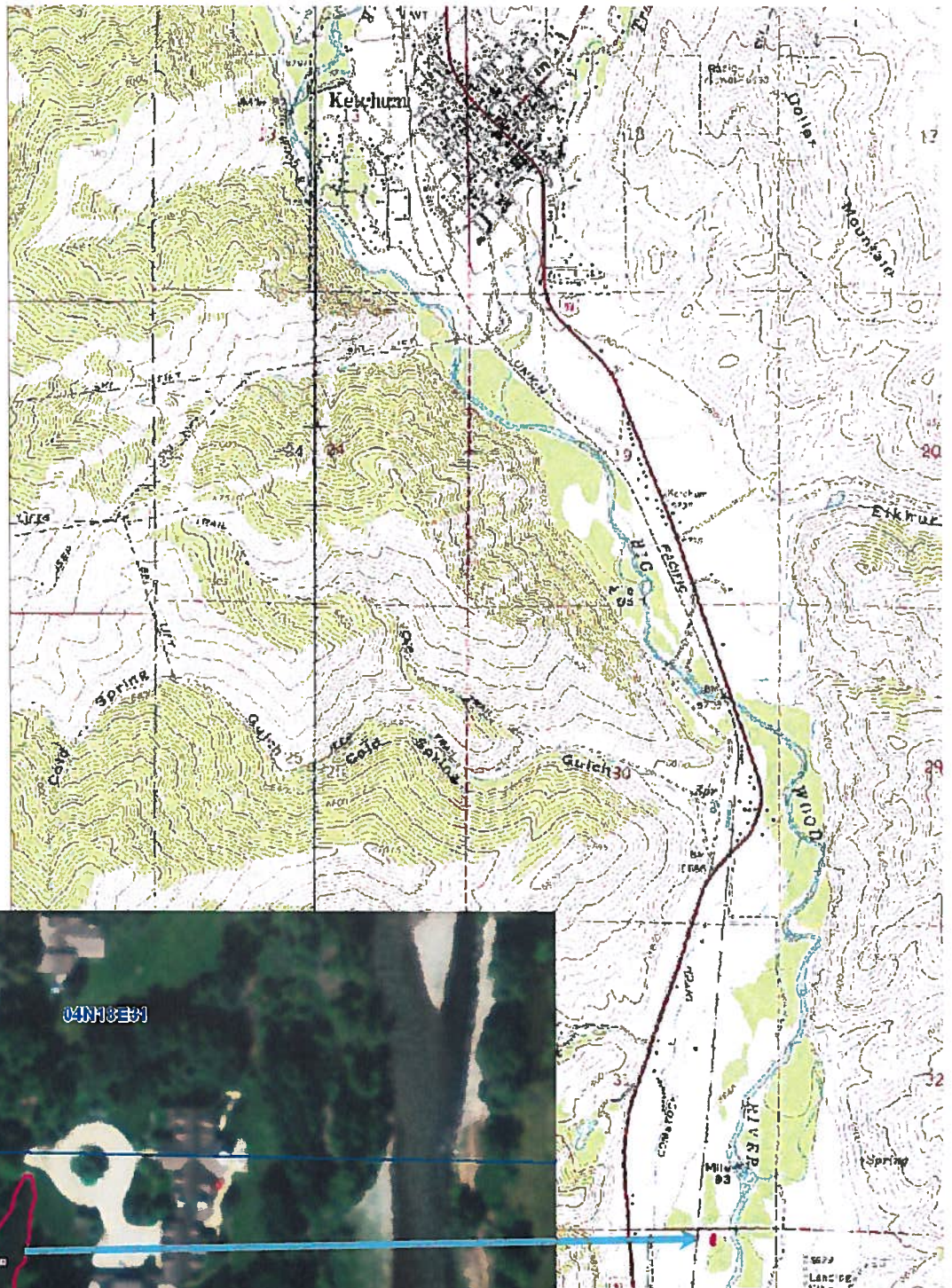
2. Recommended Amendments

☐ 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 ☐ Other

I. AUTHENTICATION

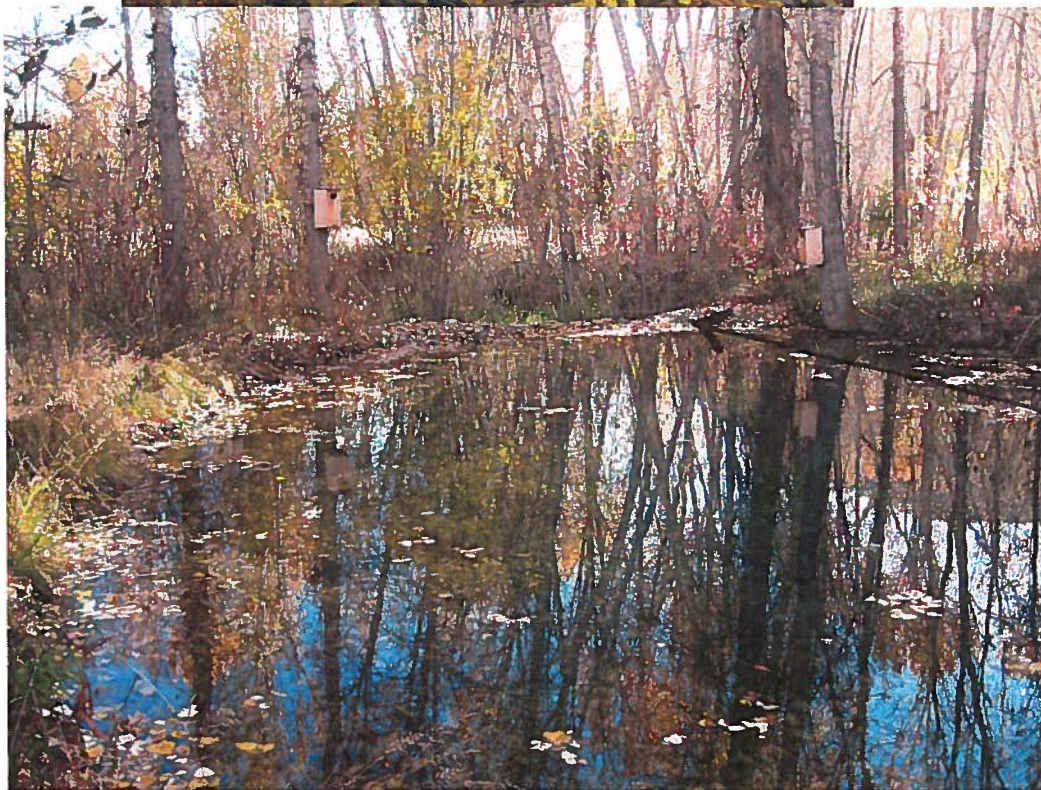
Field Examiner's Name Cheri Palmer Date 10/19/2012
 Reviewer _____ Date _____





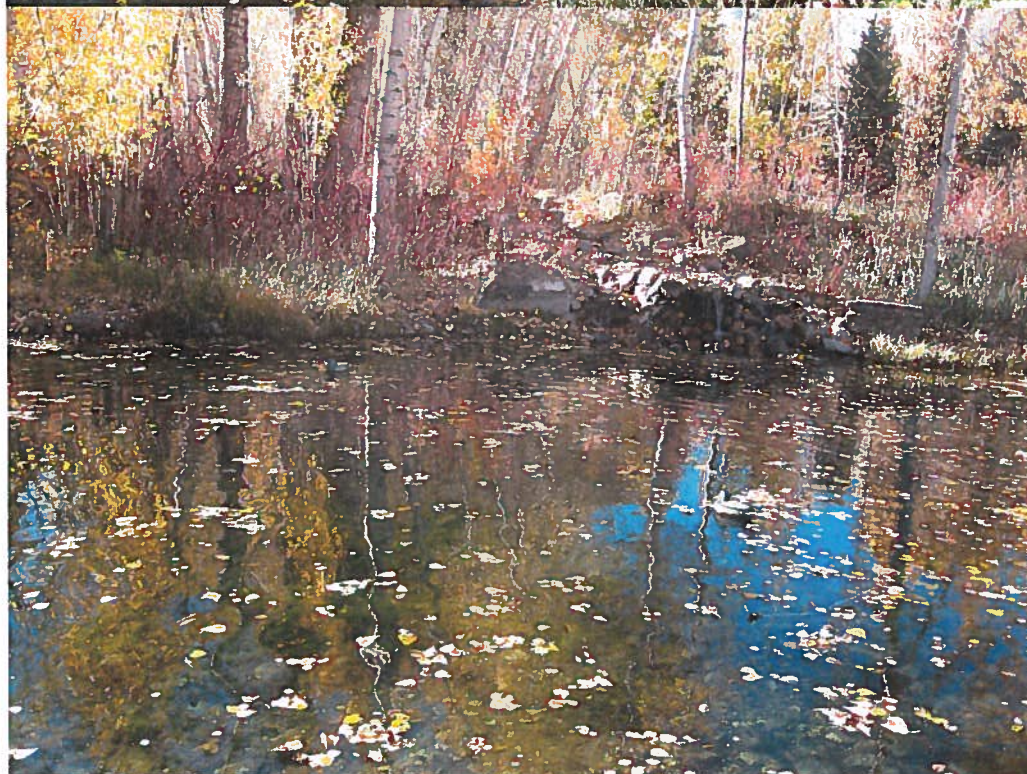
2 culverts under driveway
currently exposed, carry
Spring run-off.

Pond, Picture taken
facing north direction



Pond facing
south direction

Dam structure.
No bigger than
a couple feet.



Looking NW
towards pond +
waterfall structure
water re-circulated
w/ a pump



Dam structure at
the end of the
pond.

Natural ← → Pond
channel



← Gimlet Rd

Picture taking looking
South from the dam,

Barely visible is natural
Stream channel