

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9235

Exam Date: 9/15/2008

1. Current Owner: TERRY FERRIS
And DIANNE CHRISTENSEN
5278 E UPPER HAYDEN LAKE RD
HAYDEN ID 83835
(208)762-3437
2. Accompanied by: TERRY FERRIS
Phone No: SAME AS ABOVE
Address: SAME AS ABOVE
Relationship to Permit Holder: SELF
3. SOURCE TRIBUTARY
UNNAMED STREAM HAYDEN LAKE

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:**

UNNAMED STREAM NE¼SE¼ Sec. 20, Twp 51N, Rge 03W, B.M. KOOTENAI County

UNNAMED STREAM SW¼SE¼ Sec. 20, Twp 51N, Rge 03W, B.M. KOOTENAI County

Method of Determination: GPS

2.

PLACE OF USE: IRRIGATION AND IRRIGATION FROM STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
51N 03W 20	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	.5
Total Acres:	0.5																

PLACE OF USE: RECREATION STORAGE AND IRRIGATION STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
51N 03W 20	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	X

Method of Determination:

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.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

2. Measurements:

5 galbns.in 30 seconds
 10 gpm
 0.02 cfs

E. FLOW CALCULATIONS

Measured Method:

____ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = .5 \times 3 = 1.5$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .02 \times 246 \times 1.9835 = 9.8$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1.5$$

2. Volume Calculations for Other Uses:

$$.07 \times 1.5 = \text{MD } .1 \text{ AF pond size}$$

$$\begin{array}{r} 1.5 \text{ irrigation} \\ + .1 \text{ irrigation from storage} \\ + .1 \text{ storage} \\ \hline 1.7 \text{ AF total} \end{array}$$

G. NARRATIVE/REMARKS/COMMENTS

THIS SYSTEM HAS 2 POINTS OF DIVERSION. ONE OF THE POINTS IS A 3 FOOT TALL WOOD DAM FOR THE INSTREAM POND. THE OTHER IS NEXT TO AN OLD CYSTERN FOR A GRAVITY FEED IRRIGATION SYSTEM FOR 1/2 ACRE AROUND THE HOME. IT IS ALSO SET UP TO PULL WATER OUT OF THE POND IF NEEDED FOR IRRIGATION AROUND THE HOME. A MEASUREMENT OF 5 GALLONS IN 30 SECONDS WAS TAKEN AT THE TIME OF THE EXAM. THE POND IS LESS THAN .1 ACRES WITH AN AVERAGE DEPTH OF 18 INCHES.

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>
IRRIGATION FROM STORAGE	03/15 to 11/15		0.10 AF
RECREATION STORAGE	01/01 to 12/31		0.10 AF
IRRIGATION	03/15 to 11/15	0.020 CFS	1.50 AF
IRRIGATION STORAGE	01/01 to 12/31		0.10 AF
<u>Totals:</u>		0.020 CFS	1.70 AF

2. Recommended Amendments

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

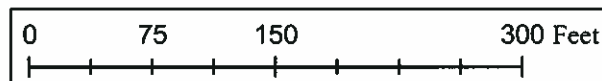
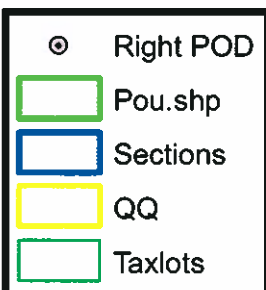
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

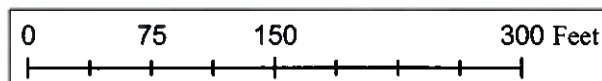
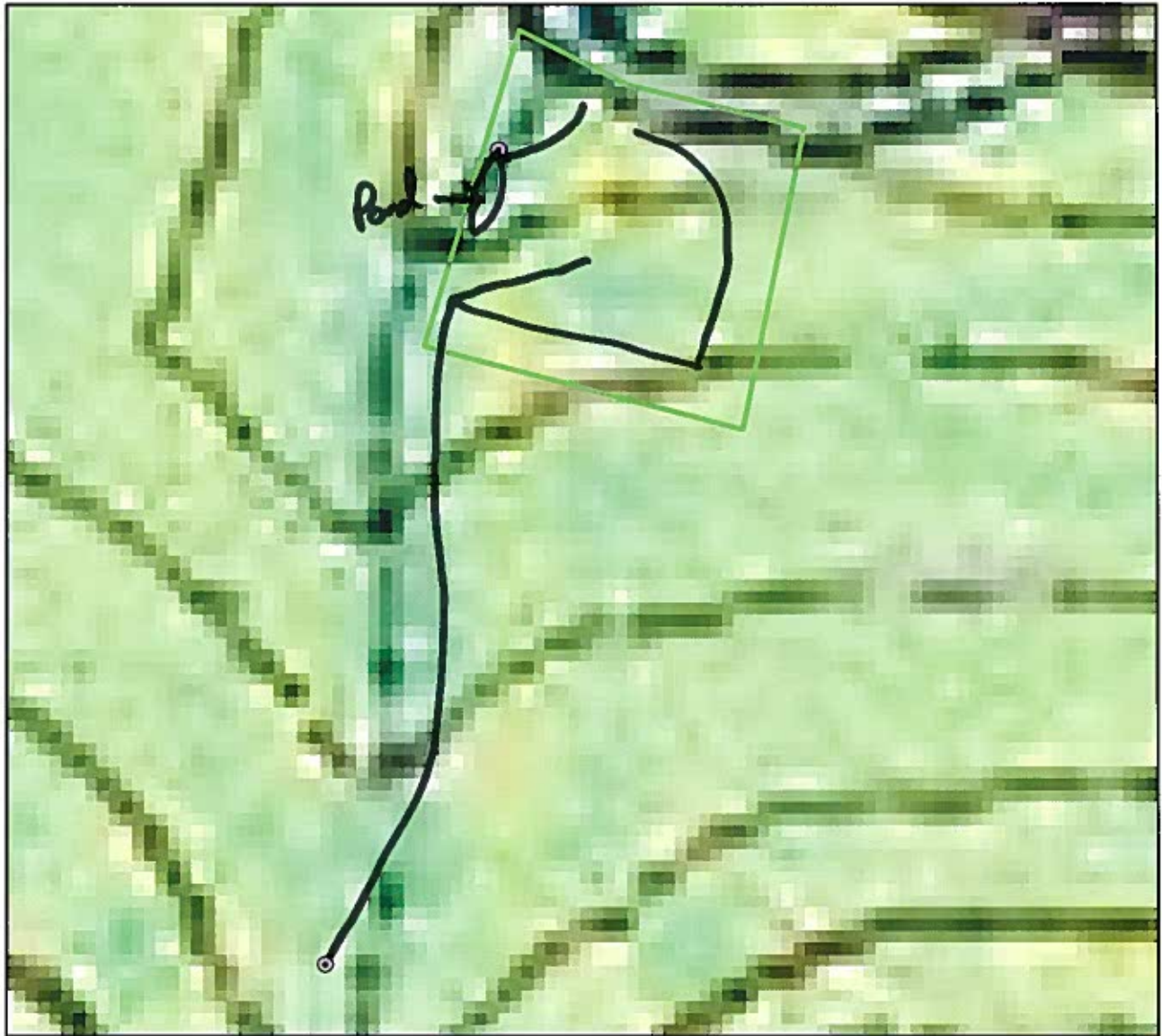
Field Examiner's Name [Signature] Date 9/16/08

Reviewer [Signature] Date 9/29/8

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IRRIGATION POINT OF
DIVERSION.JPG



PLACE OF USE 1.JPG



PLACE OF USE 2.JPG



PLACE OF USE 3.JPG



PLACE OF USE 4.JPG



STORAGE 1.JPG



STORAGE 2.JPG



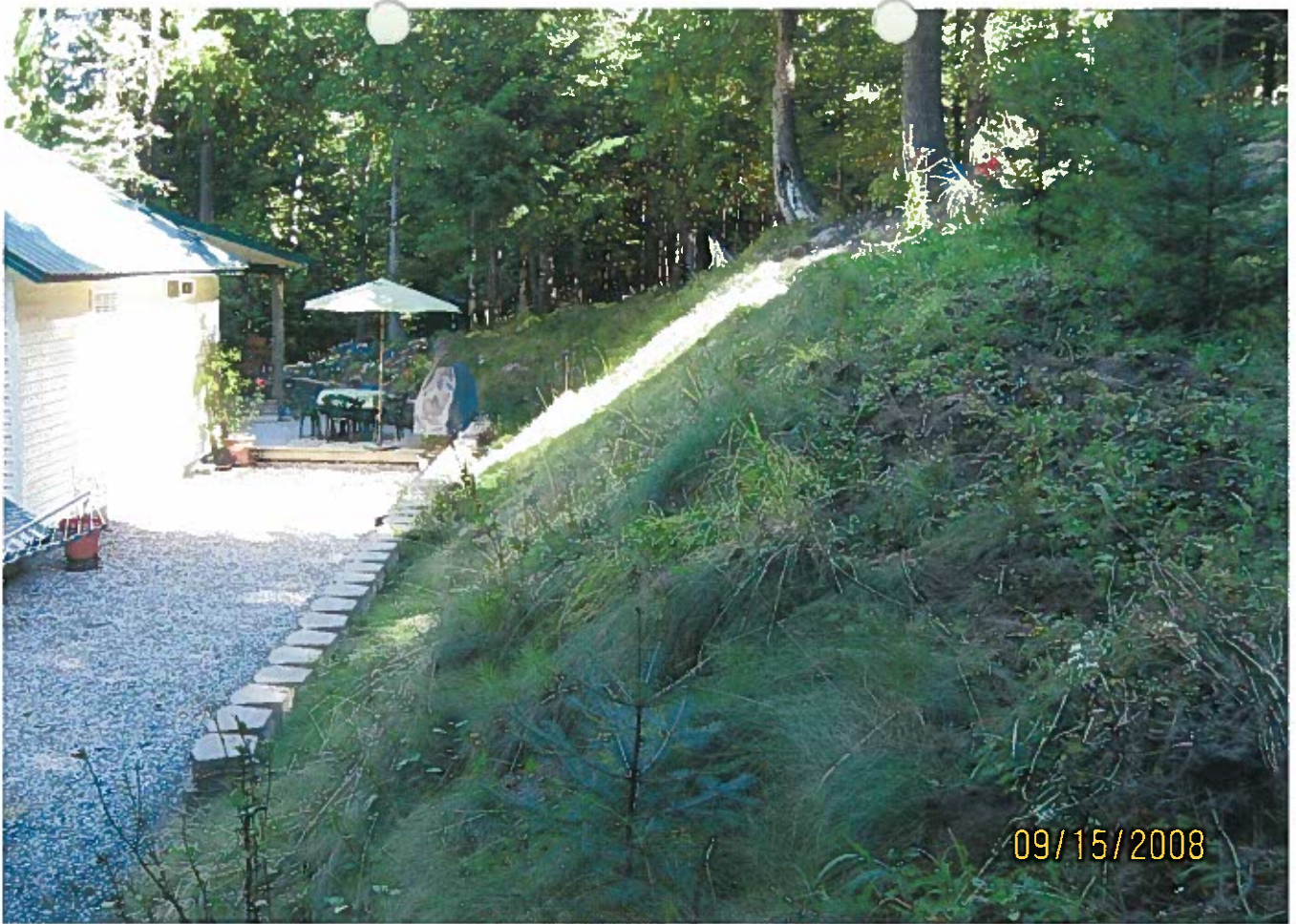
STORAGE POINT OF
DIVERSION.JPG

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