

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 85-15352

Exam Date: 10/2/2012

1. Current Owner: RICHARD W GOULD
2993 HWY 162
KAMIAH ID 83536
(208)935-0302

2. Accompanied by: Permit holder

3. SOURCE

LAWYER CREEK

TRIBUTARY

CLEARWATER RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: none (confirmed no overlaps) Permit holder has a well for indoor uses—no documented water right associated with well domestic use.

2. Other water rights with the same point of diversion: none (confirmed no overlaps)

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

LAWYER CREEK SE1/4SW1/4 Sec. 10, Twp 33N, Rge 03E, B.M. IDAHO County

Method of Determination: GPS

2.

<u>PLACE OF USE:</u>			DOMESTIC																
Twp	Rge	Sec	NE				NW				SW				SE				
			<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>	<u>Totals</u>
33N	03E	10																	X

Method of Determination: Aerial Imagery and Field Visit

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</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>
Portable pump—no tag placed	DAYTON	¾ horsepower			3/4"

D. FLOW MEASUREMENTS1. Measurement

<u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
NONE-used the horsepower equation						

2. Measurements:

Pressure at the pump = 20 psi

Horsepower of pump = ¾

Depth to water = 7 ft using visual estimate of drop off from bank to the pump

E. FLOW CALCULATIONS

___N___ Additional Computation Sheets Attached

Measured Method:

$$8.8 \times \frac{3}{4} \times 0.7 / 7 + (2.31 \times 22) = 4.62 / 57.82 = 0.08 \text{ cfs}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: Irrigation in connection with a domestic use (1/2 acre of lawn/garden)

$$V = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.5 \times 3 = 1.5 \text{ af}$$

I.R.

$$V = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.04 \times 246 \times 1.9835 = 19.5 \text{ afa}$$

D.R.

OR

Domestic irrigation use standard used by the Department = 0.6 af

$V = \text{Smaller of } V \text{ and } V \text{ and domestic std} = 0.6 \text{ af}; \text{ however, the volume of } \mathbf{1.5 \text{ af}}$ should be used since this is

I.R. D.R.

more closely to how much water is being diverted.

2. Volume Calculations for Other Uses: No other significant uses

G. NARRATIVE/REMARKS/COMMENTS

The permit holder irrigates his lawn and garden with the Lawyer Creek water. The permit holder has a well that serves the domestic, indoor uses that is not used for irrigation purposes. Every year the pump is pulled out of the creek and is stored for the winter. In addition to watering lawn and garden, water is used to wash things around the house and maintain the property as necessary. The diversion rate of 0.04 exceeds the duty of water for a 1/2 acre of irrigation, but I believe that the rate is justified by the other sporadic uses. Although the water is used for other uses, I think that the volume of 1.5 af gives the permit holder enough water to perform all chores and keep the lawn green.

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>
DOMESTIC	01/01 to 12/31	0.040 CFS	1.5 AF
<u>Totals:</u>		0.040 CFS	1.5 AFA

2. Recommended Amendments

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

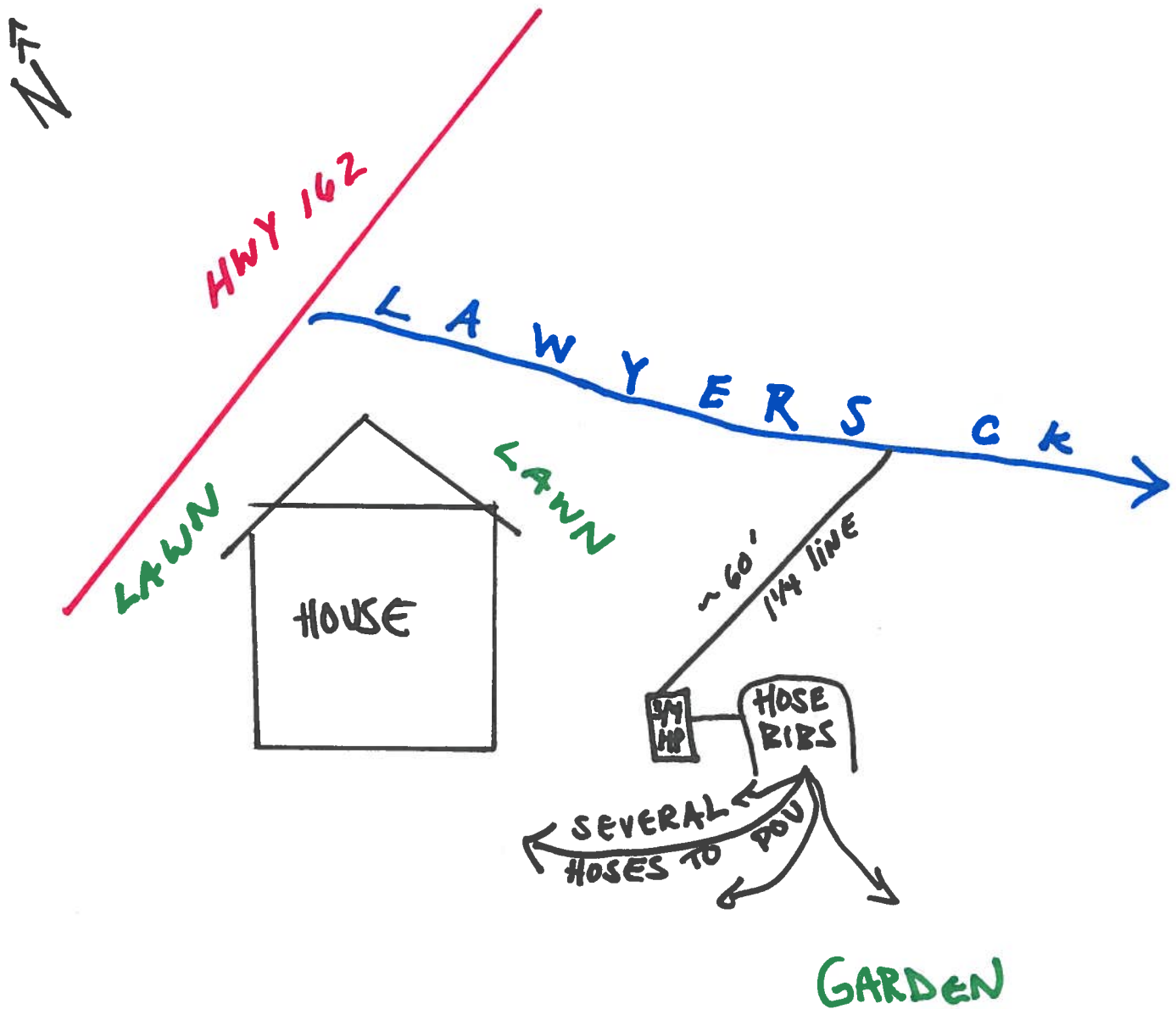
___ Change P.U. as reflected above ___ Add P.U. as reflected above ___ Other

I. AUTHENTICATION

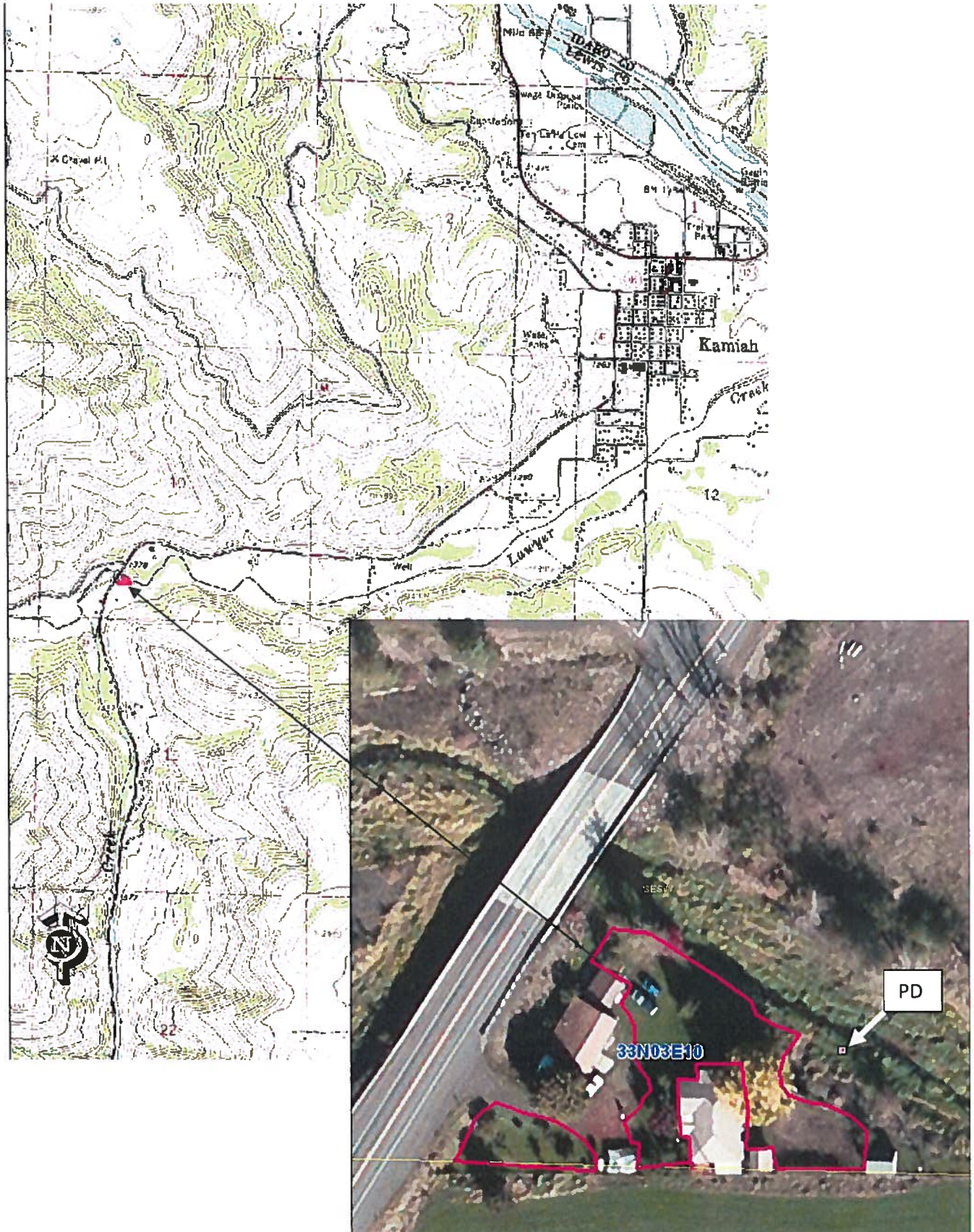
Field Examiner's Name Cheri Palmer Date 10/2/12

Reviewer _____ Date _____

Delivery System



Map/Aerial Imagery

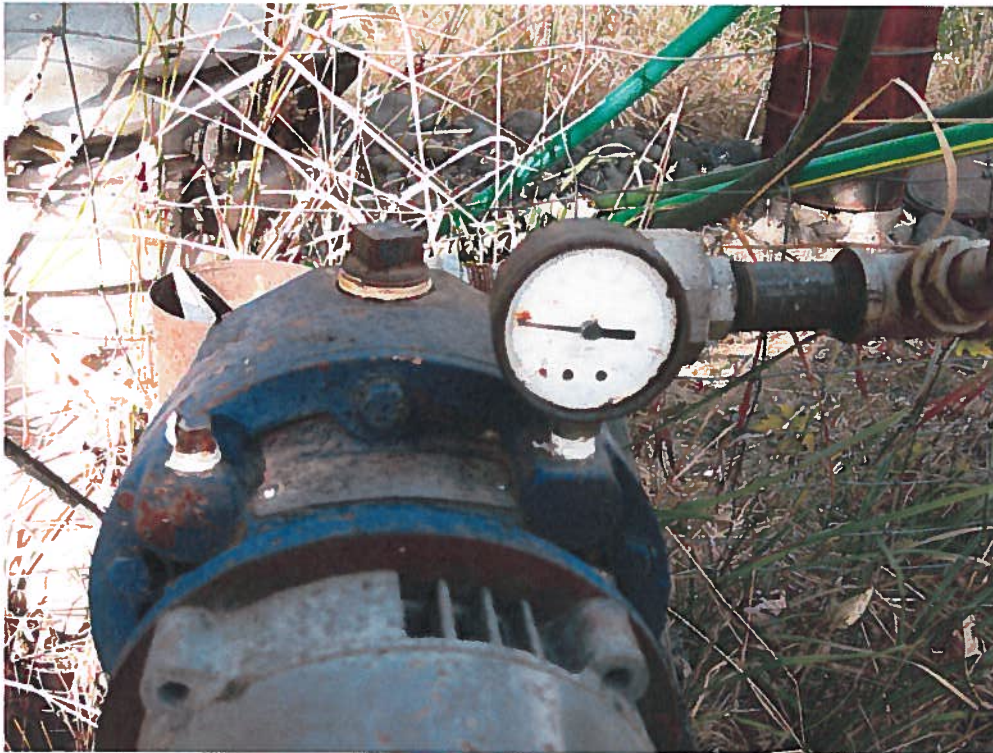




Lawyers Creek
looking upstream



Place of use



PSI = 22 at
discharge
from pump

3/4 hp





Diversion works



Point of
diversion
1/4 hose