

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 79-7224

Exam Date: 8/26/2011

1. Current Owner: BARBARA BROWN
PO BOX 192
WHITE BIRD ID 83554
(208)839-2444
2. Accompanied by: Bryan Lowe
Phone No: (208)839-2444
Address: PO Box 192, White Bird, ID 83554
Relationship to Permit Holder: husband

*physical location:
335 Quail, White Bird, ID 83554*

3. SOURCE

WHITE BIRD CREEK

TRIBUTARY

SALMON RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: City of White Bird 79-14053 service area boundary (culinary/potable water)
2. Other water rights with the same point of diversion: None

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

WHITE BIRD CREEK
IDAHO County

NE1/4SW1/4

Sec. 14, Twp 28N, Rge 01E, B.M.

Method of Determination: Garmin GPS map76S

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
28N	01E	14									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.

**Well or Diversion
ID No.*****Motor Make****Hp****Motor Serial No.****Pump Make****Pump Serial No. or Discharge
Size**

A0016698

Sears

1.5

7K98

Model# C48804867 1 1/2 inch

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

D. FLOW MEASUREMENTS

1. Measurements: 4 (3/8)-inch rainbirds at 1 time at 40 psi

$$Q(\text{gpm}) = 30.0 \times D(\text{in})^2 \times P(\text{psi})^{0.5}$$

$$(30 \times 0.140625 \times 6.32455532) / 448.8 = 0.06 \text{ cfs (system capacity)}$$

Theoretical:

$$[(8.8) \times 1.5 \text{ Hp} \times (0.70 \text{ eff})] / [2\text{ft} + (40 \text{ spi} \times 2.31)] = 0.97 = 0.10 \text{ cfs}$$

E. VOLUME CALCULATIONS

IDWR Standard for Domestic internal (shop)/external(garden/lawn) = 1.2 af

F. NARRATIVE/REMARKS/COMMENTS

2 inch screened intake, Sears 1.5 Hp serial No. 7K98, motor mod. C 48804867 1 phase pump, 1 1/2 inch discharge to 1 1/2 inch buried ABS pipe to 4 frost free hydrants with hoses. 4 (3/8)-inch rainbird nozzles can run at 1 time at 40 psi. Irrigation is for yard surrounding house.

Have conditions of permit approval been met? ☒ Yes ☐ No**G. RECOMMENDATIONS****1. Recommended Amounts****BENEFICIAL USE****PERIOD OF USE****DIVERSION RATE****ANNUAL VOLUME**

DOMESTIC

01/01 to 12/31

0.040 CFS

1.2 AF

Totals:

0.040 CFS

1.2 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**H. AUTHENTICATION**

Field Examiner's Name

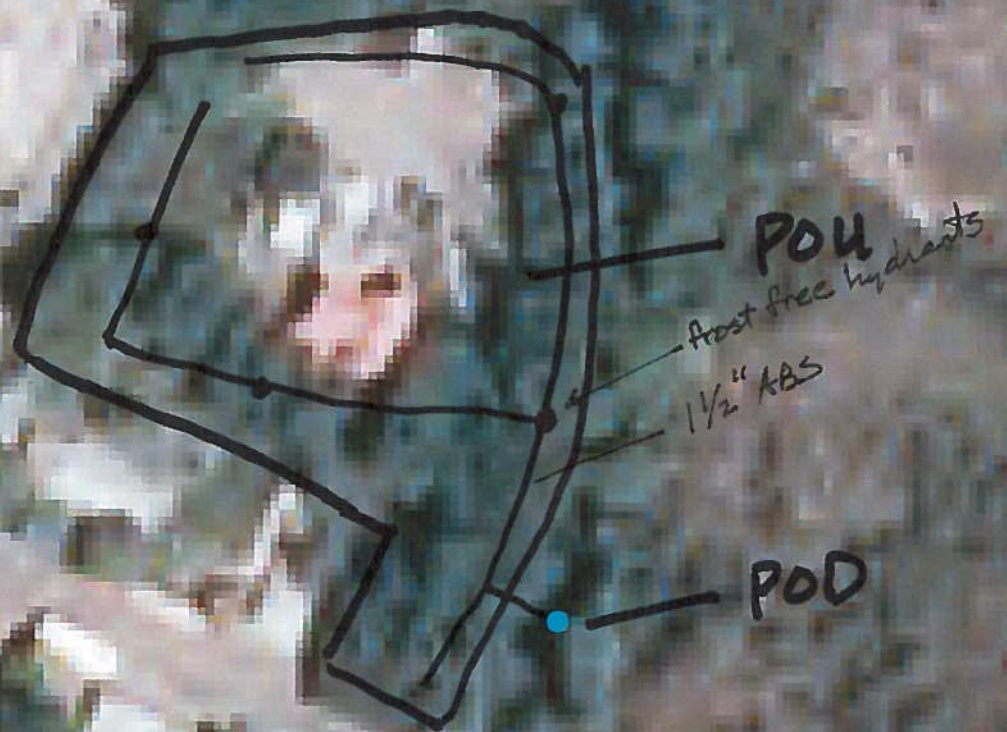
Judy Hemenway

Date

9/7/2011

Reviewer

Date





POU

misc.
size
hoses
with
3/8"
rainbird



POD

Screened
2" intake
to
Sears
1.5 HP
1 1/2"
discharge
to
1 1/2"
ABS.
buried
pipe



Pou



79-7224 Brown

S. Hemenway