

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 98-7896

Exam Date: 8/16/2012

1. Current Owner: ROBERT D NOEL
1811 LIONS DEN RD
BONNERS FERRY ID 83805
(208)267-7942

2. Accompanied by: OWNER

Phone No:

Address:

Relationship to Permit Holder:

3. **SOURCE**

SPRING
UNNAMED STREAM

TRIBUTARY

SINKS
SINKS

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 98-7897
2. Other water rights with the same point of diversion: NONE

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

UNNAMED STREAM	SW1/4SE1/4	Sec. 1,	Twp 61N,	Rge 01W, B.M.
BOUNDARY County				
SPRING	SW1/4SE1/4	Sec. 1,	Twp 61N,	Rge 01W, B.M.
BOUNDARY County				
SPRING	SW1/4SE1/4	Sec. 1,	Twp 61N,	Rge 01W, B.M.
BOUNDARY County				

Method of Determination: GPS

2.

PLACE OF USE: STOCKWATER STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
61N	01W	1																X	

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
61N	01W	1															1.0		1.0

Total Acres: 1

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>	Totals
61N 01W 1																	1.0		

[illegible][illegible]

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>
61N	01W	1															<u>SW</u> X		

[illegible]

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>
61N	01W	1															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**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>
ULTRASONIC	S1011	FUGI		7K0079TB		8/2012

2. Measurements: IRRIGATIONPUMP 5 HP = 0.11 CFS/49.2 GPM

3. STREAM FLOW: FLOWTRACKER = 0.15 CFS/67 GPM

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1 \times 3 = 3 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \times 214 \times 1.9835 = 12.7 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3 \text{ AF}$$

2. Volume Calculations for Other Uses:

SEE ATTACHED FOR POND ANALYSIS SHEET

G. NARRATIVE/REMARKS/COMMENTS

THE SPRINGS ARE IN THE POND YOU CAN SEE THE FLOW OF EACH SPRING. SINCE THE SPRINGS SURFACE FROM THE BOTTOM OF THE POND NO DIVERSION RATE WILL BE GIVEN TO THE SPRINGS. THE TWO SPRINGS ARE POINTS OF DIVERSION IN THIS RIGHT.

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>
STOCKWATER STORAGE	01/01 to 12/31		9.20 AF
IRRIGATION	04/01 to 10/31	0.030 CFS	3.00 AF
IRRIGATION FROM STORAGE	04/01 to 10/31		3.00 AF
IRRIGATION STORAGE	04/01 to 10/31		12.10 AF
WILDLIFE STORAGE	01/01 to 12/31		9.10 AF
STOCKWATER	01/01 to 12/31	0.020 CFS	0.10 AF
STOCKWATER FROM STORAGE	01/01 to 12/31		0.10 AF
DIVERSION TO STORAGE	01/01 to 12/31	0.150 CFS	
<u>Totals:</u>		0.150 CFS	12.20 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 Eric R. Rupp Date 3-18-2013

Reviewer Boeth B. Franklin Date 3/18/2013

POND ANALYSIS SHEET
98-7896

STOCKWATER: 4 HEAD X 12 GPD X 365 DAYS / 325,850 GAL/AF = 0.1 AF

POND SIZE: 0.68 AC X 10 FT = 7.0 AF

EVAPORATION: @ 29,620 SQFT = 1,846 GPD

1846 GPD X 365 DAYS / 325,850 GAL/AF = 2.1 AF

SEEPAGE: 0.0 AF, SPRINGS SURFACE FROM BOTTOM OF POND

12.1 AF	IRRIGATION STORAGE	A.) POND SIZE	7.0 AF
		B.) EVAPORATION	2.1 AF
		C.) SEEPAGE	0.0 AF
		D.) IRRIGATION	3.0 AF
	TOTAL		12.1 AF

9.1 AF	WILDLIFE STORAGE	A.) POND SIZE	7.0 AF
		B.) EVAPORATION	2.1 AF
		C.) SEEPAGE	0.0 AF
	TOTAL		9.1 AF

9.2 AF	STOCKWATER STOR.	A.) POND SIZE	7.0 AF
		B.) EVAPORATION	2.1 AF
		C.) SEEPAGE	0.0 AF
		D.) STOCKWATER	0.1 AF
	TOTAL		9.2 AF

TOTAL STORAGE VOLUME: 7.0 + 2.1 + 3.0 + 0.1 = 12.2 AF



GPS TAG.JPG



IRRIGATION
SYSTEM.JPG



POND.JPG



IRRIGATION PUMP
TAG.JPG



irrigation pump 5 hp.JPG



STOCK.JPG



STREAM.JPG



IRRIGATION.JPG



08/16/2012







