

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-9499

Exam Date: 9/25/2015

1. Current Owner: PHILIP BARNHART
486 KRIPPLE CREEK
ATHOL ID 83801
(208) 683-2029

And/Or

PATSY BARNHART
486 KRIPPLE CREEK
ATHOL ID 83801
(208) 683-2029

2. Accompanied by: Philip Barnhart

3. SOURCE

UNNAMED STREAM

TRIBUTARY

SINKS

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 L1 NW1/4NW1/4 Sec. 15, Twp 54N, Rge 02W, B.M. BONNER County

Method of Determination: GPS and maps. POD location at 48° 02.021, 116° 33.892

2.

PLACE OF USE: IRRIGATION STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
54N 02W 15	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
						X											
						L 1											

PLACE OF USE: IRRIGATION FROM STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
54N 02W 15	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
						2.5											2.5
						L 1											

Total Acres: 2.5

[illegible][illegible][illegible]

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</u> <u>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</u> <u>Size</u>
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N/A

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

D. FLOW MEASUREMENTS

1.

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

2. Measurements:

E. FLOW CALCULATIONS

Measured Method: N/A

☐ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: SEE ATTACHED POND ANALYSIS SHEET**G. NARRATIVE/REMARKS/COMMENTS**

FIELD EXAM SHOWED POND THAT WAS 0.27 ACRES IN SIZE AND WAS 13 FEET DEEP. APPLICANT HAD TO REMOVE PUMP AND ALL LIVESTOCK BECUASE HIS POND WAS USED FOR FIRE FIGHTING PURPOSES. APPLICANT WATERED FIELD AND GARDEN FROM POND, BUT BECUASE OF FIRE FIGHTING USE HE HAD NOT WATERED FOR SOME TIME WHEN FIELD EXAM OCCURED. LIVESTOCK HAD BEEN MOVED TO DIFFERENT FIELD TO NOT BE SCARED OFF BY HELICOPTERS. IRRIGATION OCCURING EQUALED 2.5 ACRES AND STOCKWATER WAS FOR 10 HEAD OF MIXED STOCK. APPLICANT DID NOT PULL WATER DIRECTLY FROM UNNAMED STREAM SO DIVERSION RATES WILL BE REMOVED FROM LICENSE. THERE DOES NOT APPEAR TO BE ANY OVERLAP WITH WATER RIGHT 96-9407. THERE IS ANOTHER POND IN NENW THAT SUPPLIES WATER TO UPPER FIELDS AND DOES NOT OVER LAP ON IRRIGATION OCCURING FOR THIS WATER 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>
IRRIGATION STORAGE	01/01 to 12/31		11.80 AF
IRRIGATION FROM STORAGE	04/01 to 10/31		7.50 AF
STOCKWATER STORAGE	01/01 to 12/31		4.50 AF
STOCKWATER FROM STORAGE	01/01 to 12/31		0.20 AF
RECREATION STORAGE	01/01 to 12/31		4.30 AF
<u>Totals:</u>			12.00 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 Adam Friedman Date 1-12-2016

Reviewer Keith S. Frankel Date 1-19-2016

**WATER RIGHT 96-9499
POND ANALYSIS SHEET**

POND SIZE: 0.27 AC X 13 FEET DEEP = 3.5 AF

SEEPAGE: NO SEEPAGE, INSTREAM POND

EVAPORATION: 733 GPD X 365 DAYS / 325,850 GAL/AF = 0.8 AF

STOCKWATER: 10 MIXED HEAD X 12 GPD X 365 DAYS / 325,850 GAL/AF = 0.2 AF

IRRIGATION: 2.5 ACRES X 3 AF = 7.5 AF

4.3 AF	RECREATION STORAGE	A) POND SIZE	3.5 AF
		B) SEEPAGE	0.0 AF
		C) EVAPORATION	0.8 AF
		TOTAL	4.3 AF
11.8 AF	IRRIGATION STORAGE	A) POND SIZE	3.5 AF
		B) SEEPAGE	0.0 AF
		C) EVAPORATION	0.8 AF
		D) IRRIGATION	7.5 AF
		TOTAL	11.8 AF
7.5 AF	IRRIGATION FROM STORAGE		
4.5 AF	STOCKWATER STORAGE	A) POND SIZE	3.5 AF
		B) SEEPAGE	0.0 AF
		C) EVAPORATION	0.8 AF
		D) STOCKWATER	0.2 AF
		TOTAL	4.5 AF
0.2 AF	STOCKWATER FROM STORAGE		
12.0 AF	TOTAL STORAGE		

Storage

-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections

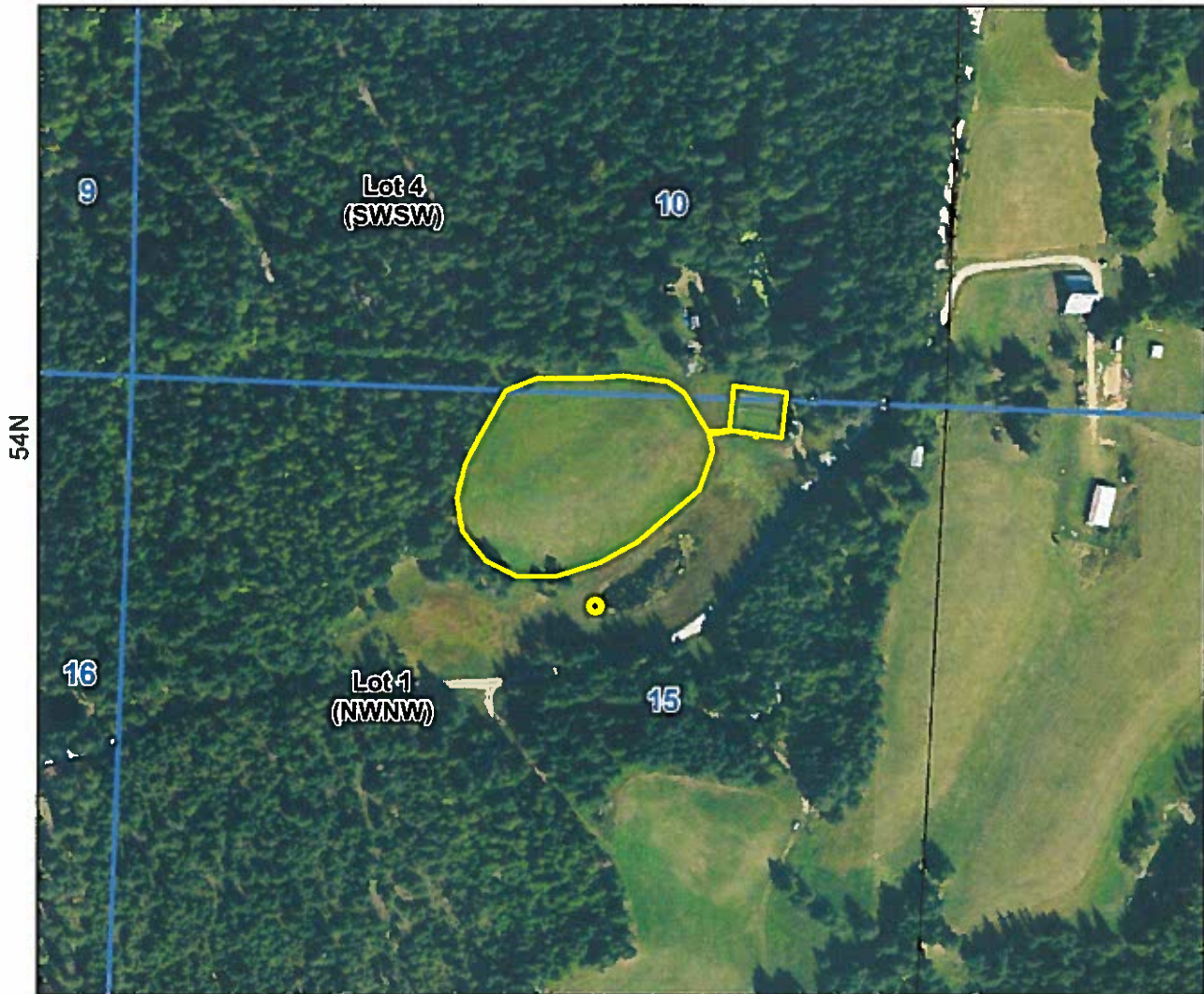


State of Idaho
Department of Water Resources
Water Right License

96-9499

*Irrigation and
Stockwater*

02W



0 0.035 0.07 0.14 Miles

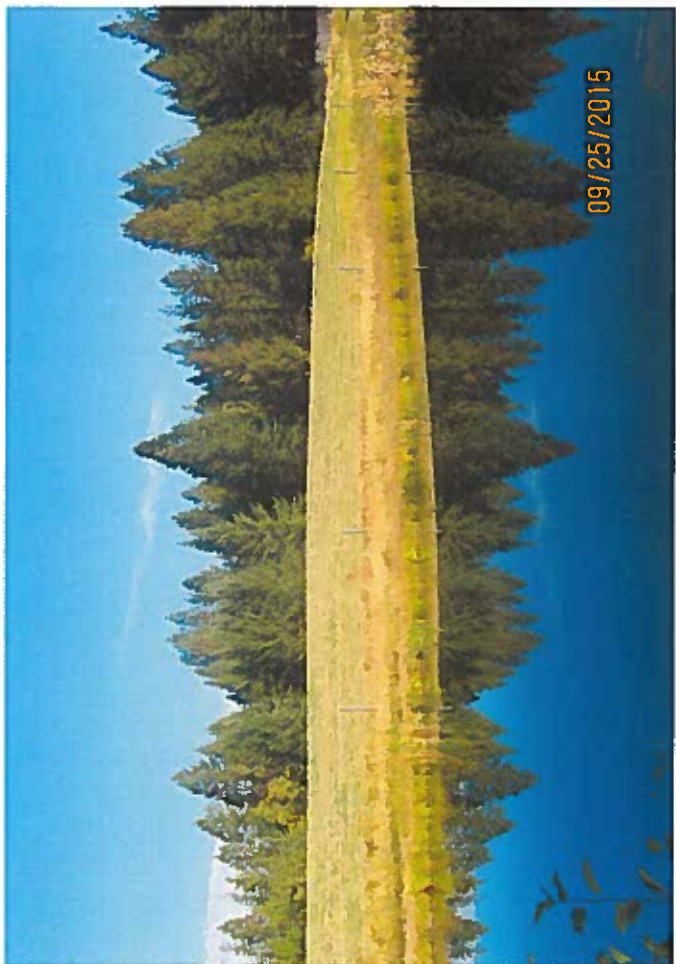
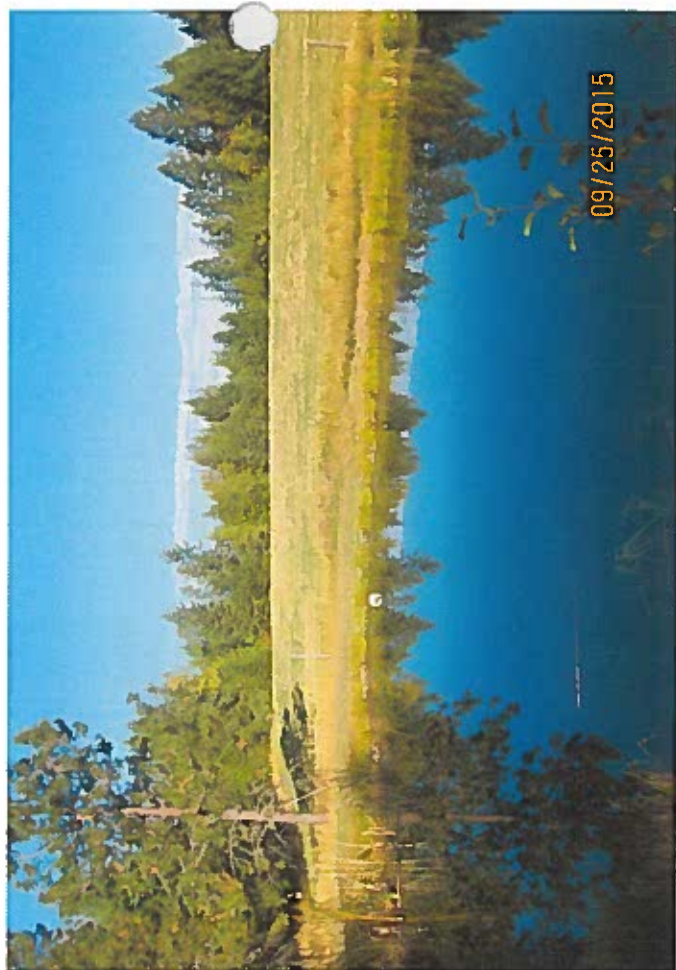
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