

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 72-7542

Exam Date: 9/4/2014

1. Current Owner: CATHY ANDREWS
PO BOX 1405
CHALLIS ID 83226-1405
(208)879-4861

And/or

CRAIG ANDREWS
PO BOX 1405
CHALLIS ID 83226-1405
(208)879-4861

2. Accompanied by: NA

Phone No:

Address:

Relationship to Permit Holder:

3. SOURCETRIBUTARY

GROUND WATER

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 SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER

NE1/4SW1/4

Sec. 10, Twp 13N, Rge 18E, B.M.

CUSTER County

Method of Determination: Site visit and aerial imagery

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
13N	18E	10									X								

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
13N	18E	10									.5					.1			.6

Total Acres: 0.6

Method of Determination: Site visit and aerial imagery

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>
<u>ID No.*</u>					

Drilling permit 72-955-020-000

*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: No measurement necessary per Beneficial Use Exam rules as diversion rate is less than 0.24 cfs.

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.6 \text{ acres} \times 3.5 \text{ AF/acre} = 2.1 \text{ AFA}$$

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

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 2.1 \text{ AFA}$$

2. Volume Calculations for Other Uses: No volume assigned to domestic portion per Beneficial Use Exam Rules.

G. NARRATIVE/REMARKS/COMMENTS

The field exam for permit 72-7542 was completed on September 4, 2014 by Nathan Erickson, IDWR. . The exam by Mr. Erickson revealed only 0.6 acre of irrigation, much less than the permitted 4.0 acres. Other changes to the permit include reducing the flow rate to match the acreage (0.03 cfs/acre x 0.6 acre = 0.02 cfs) and changing the season of use to match the updated season of use for that area, per Licensing Memo 9.

No measurement was necessary under Beneficial Use Exam Rules (<0.24 cfs) nor was a volume assigned to the domestic portion.

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	
IRRIGATION	04/01 to 10/31	0.020 CFS	2.10 AF
	<u>Totals:</u>	0.060 CFS	2.10 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 Jim Rafter Date 6-14-16

Reviewer _____ Date _____

State of Idaho
Department of Water Resources

Attachment to Water Right License 72-7542

This map depicts the DOMESTIC place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



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

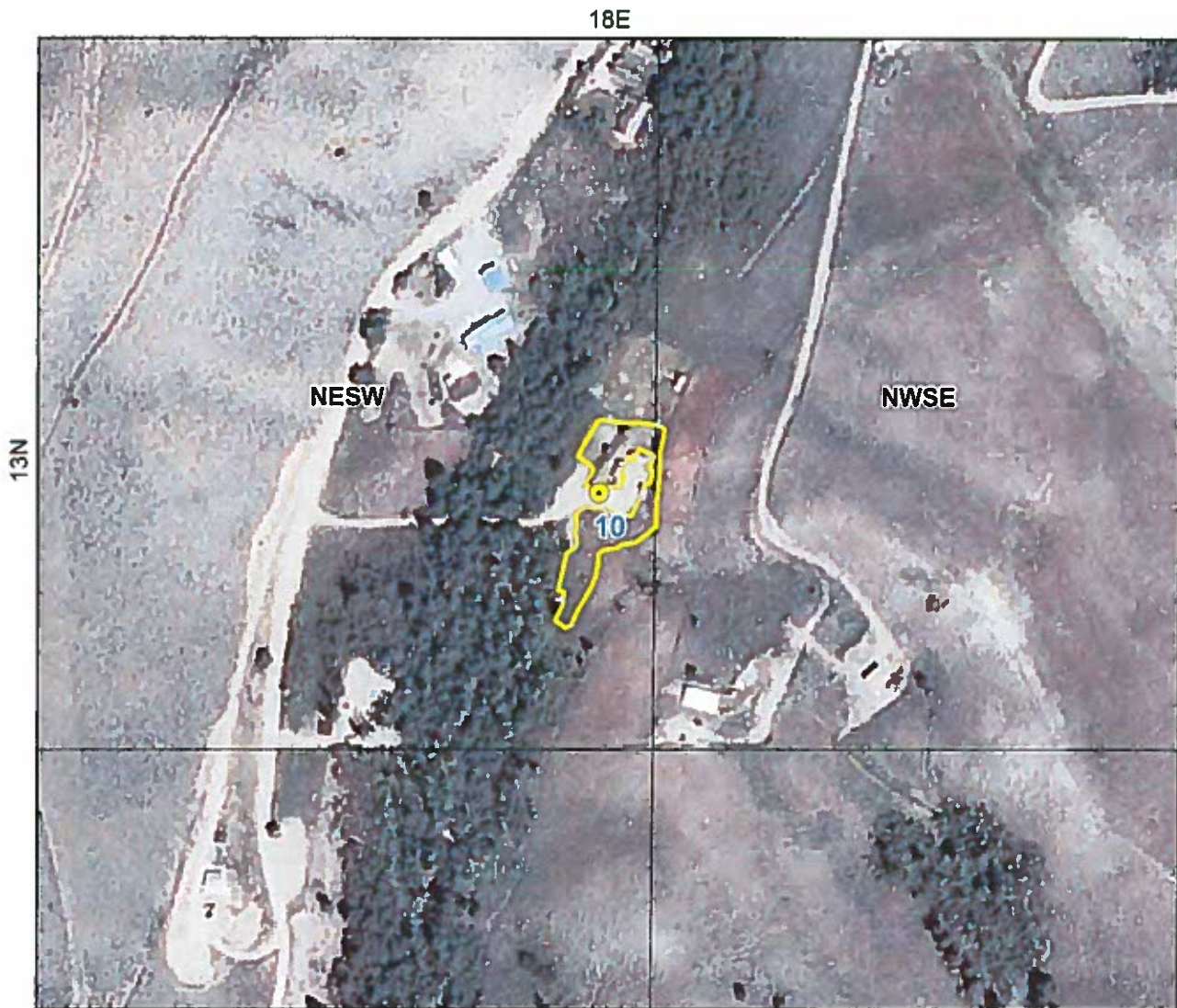
0 0.035 0.07 0.14 Miles



State of Idaho
Department of Water Resources

Attachment to Water Right License 72-7542

This map depicts the IRRIGATION place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



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

0 0.035 0.07 0.14 Miles





The Andrews home

Lawn and landscaping at the Andrews residence





Lawn and landscaping at the Andrews home

Irrigation system at the Andrews home

