

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 35-14239

Exam Date: 3/2/2015

1. Current Owner: CLEM R YANCEY
375 W 150 N
BLACKFOOT ID 83221
(208)785-4902
2. Accompanied by: In-office field exam
Phone No:
Address:
Relationship to Permit Holder:

3. SOURCE TRIBUTARY
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 SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER

NE1/4SW1/4

Sec. 28, Twp 02S, Rge 35E, B.M.

BINGHAM County

Method of Determination: Well log and aerial photography

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
02S	35E	28									X								

Method of Determination: Aerial photography and Bingham County taxlot data

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

D. FLOW MEASUREMENTS

1. In-office field exam. No measurement required.

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

Rate of diversion for this right is based on the Departments domestic flow calculation chart. According to the chart the rate of diversion for 4 homes and 1.0 acre of irrigation is 0.12 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \text{N/A}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \text{N/A}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \text{N/A}$$

2. Volume Calculations for Other Uses:

2 townhomes (4 homes) X 0.6 acre-feet/home = 2.4 acre-feet

0.5 acres/lot X 2 lots X 2.7 acre-feet/acre (crop irrigation requirement using ET Idaho) = 2.7 acre-feet

Total volume = 5.1 acre-feet.

G. NARRATIVE/REMARKS/COMMENTS

In-office field exam. Domestic use is for two townhomes. There are two units per townhome. There are four homes in total. The two townhomes have been constructed (2014 Google Earth aerial photography) and are located on property owned by the permit holder (Bingham County taxlot data). Well Drillers Report contains GPS coordinates for well location.

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	0.120 CFS	5.10 AF
<u>Totals:</u>		0.120 CFS	5.10 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 Blake Jordan Date 3/2/2015

Reviewer _____ Date _____



Google earth

feet 200
meters 60

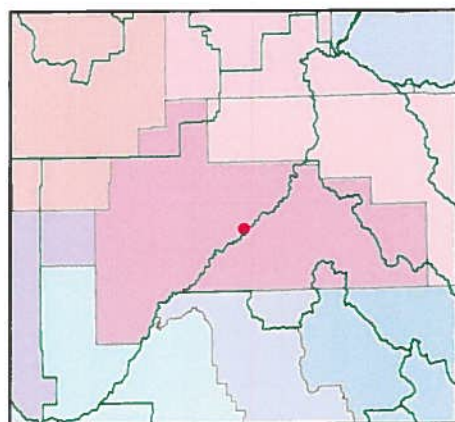




Idaho Department of Water Resources

Water Right
35-14239
(DOMESTIC)

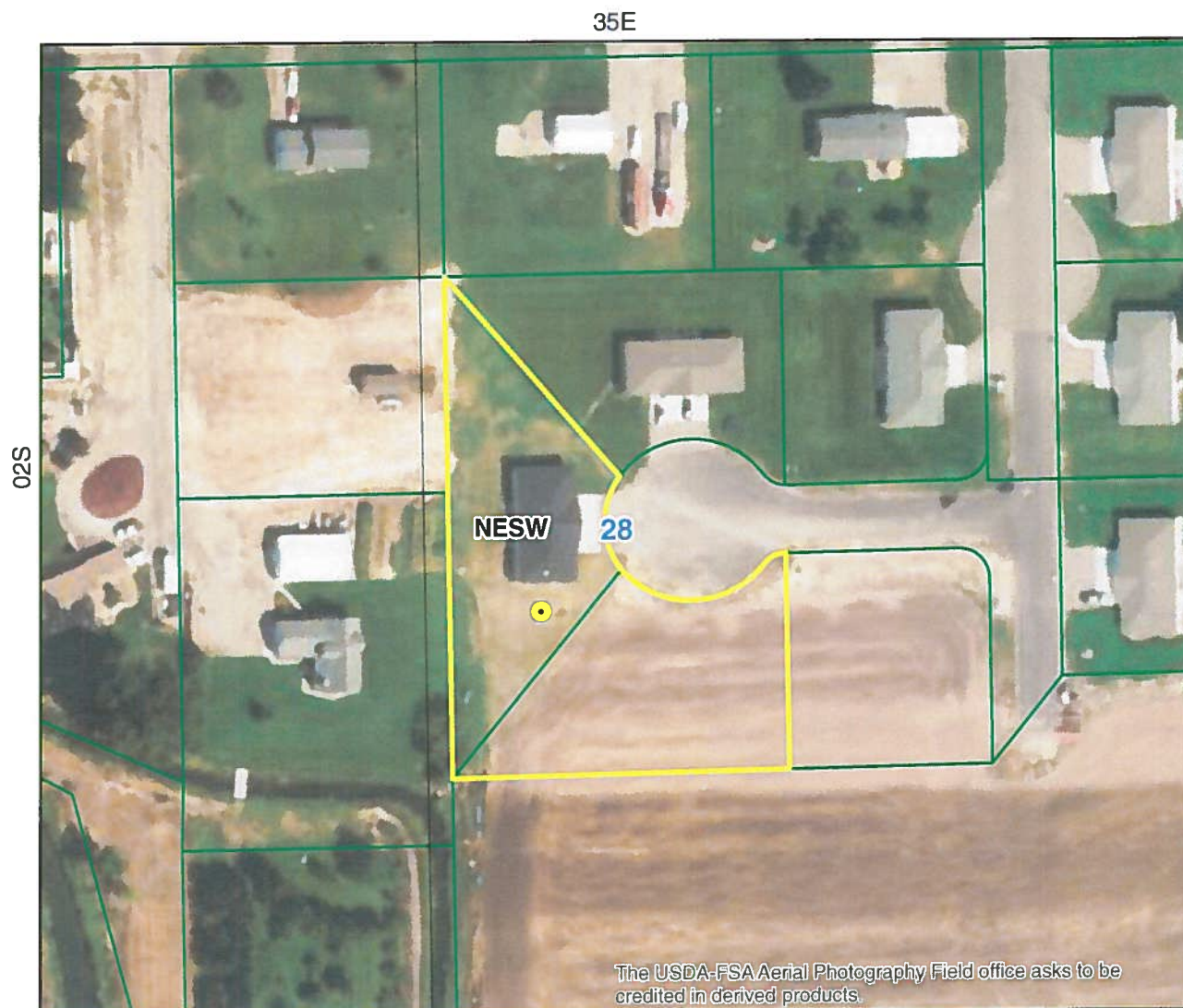
-  Point of Diversion
-  Place of Use
-  State Outline
-  Townships
-  PLS Sections
-  Quarter Quarters
-  Taxlots



Bingham County
IDWR Basin 35

Prepared by Jordan, Blake

Background: 2013 Aerial Photography



0 0.025 0.05 0.1 Miles

ET_{Idaho} 2012 -- Evapotranspiration and Consumptive Irrigation Water Requirements for Idaho

Please send suggestions for improving this site to robison at kimberly dot uidaho dot edu Copyright 2012, University of Idaho.

Blackfoot (NWS -- 100915)

Statistics based on thirty year normal spans 1946 to 2010 years

For a different land cover or crop click on the above link.

You can highlight this table and copy via the clipboard to a Microsoft Excel or OpenOffice spreadsheet to plot or otherwise work with this data.

Grass - Turf (lawns) - Irrigated															
Precipitation Deficit (Click here for a graph)															
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Growing Season ^a	Non Growing Season ^b	Annual
Mean ^j	mm/day												mm		
Monthly ^c	-0.06	0.01	0.13	0.95	3.67	5.43	6.12	5.42	3.58	1.37	-0.22	-0.21	810	-10	826
15-Day Moving Average ^d	-0.06	-0.02	0.12	0.85	3.59	5.44	6.16	5.46	3.58	1.39	-0.22	-0.18			
7-Day Moving Average ^e	-0.05	-0.01	0.12	0.86	3.61	5.41	6.16	5.47	3.58	1.36	-0.24	-0.20			
3-Day Moving Average ^f	-0.06	0.01	0.12	0.90	3.65	5.42	6.13	5.43	3.61	1.36	-0.23	-0.20			
Standard Deviation ^k	mm/day												mm		
Monthly ^c	0.28	0.24	0.35	0.90	1.89	1.24	0.88	0.80	0.94	1.62	0.38	0.42	114	17	101
15-Day Moving Average ^d	0.26	0.29	0.33	1.07	1.64	1.54	0.91	0.82	1.04	1.52	0.54	0.41			
7-Day Moving Average ^e	0.40	0.44	0.54	1.37	2.11	1.96	1.17	1.10	1.47	1.92	0.84	0.61			
3-Day Moving Average ^f	0.64	0.63	0.88	2.05	2.88	2.54	1.80	1.62	2.10	2.43	1.30	0.87			
20% Exceedance ^l	mm/day												mm		
Monthly ^c	0.03	0.18	0.23	1.76	4.48	6.38	6.68	5.92	4.41	2.33	0.06	0.00	902	7	899
15-Day Moving Average ^d	0.20	0.30	0.48	2.32	5.92	7.28	7.01	6.43	5.01	3.66	0.29	0.10			
7-Day Moving Average ^e	0.32	0.54	0.93	4.00	6.92	7.91	7.49	6.86	5.74	4.84	0.61	0.19			

