

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

63-34974

A. GENERAL INFORMATIONPermit No: ~~63-34927~~

Exam Date: 12/2/2021

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? X Y N
- Irrigation of 5 acres or less
 - Storage of up to 14.6 AF for stockwater purposes only
 - Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >
2. Current Owner: Name: William Graham
Owner of Record Correct? X Y N
Address of Record Correct? Y N
If No: Address

The Department's parcel data and Ada County data shows William D. and Alta R. Graham as the owners of the property. Even though Alta Graham is not on the permit, I don't see any issues with the ownership of this property.

3. Beneficial Use Fees have been paid: X Y N Receipt No: C111391

4. SOURCE TRIBUTARY

Ground Water

Method of Determination: GIS and Tax Parcel DataChange in Source: Y X N

Please Note: There is not a Well Driller's Report for the well with this permit.

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Yes Overlap

Water Right No.	Source	Purpose of Use	Basis
Various Boise Kuna Irrigation District Water Rights	Boise River, Indian Creek Five Mile Creek, Ten Mile Creek, and Wastewater	Irrigation	Decrees
Various City of Kuna Water Rights	Ground Water	Municipal	Licenses and Decrees

Comments: The only true overlapping water rights are the Boise Kuna Irrigation District water rights. According to the application for permit, the 4 acre parcel west of the home has Boise Kuna Irrigation District water rights, but the home parcel doesn't. There is a condition on the permit concerning the overlapping irrigation district rights on the permit that will be carried forward to the license. This ground is within the City of Kuna service area, but there doesn't appear to be any water lines running to this parcel. This parcel shows a home on the parcel in 1987, so I am assuming that it has always had a well. The application for permit states that the well was drilled in 1975, so it is reasonable to assume they never have had access to the City of Kuna water system. There are several water rights in this 40 acre tract owned by neighboring properties. One of these rights (63-17010) is shown in this 40 acre tract, but the address on the permit is for lands in the 40 acre tract to the north.

2. Other water rights with the same point of diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: There are no other rights using this well for a water use that I can determine from the Department's records.

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

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Well			SE	NE	21	2N	1W	B.M.	ADA
								B.M.	
								B.M.	

Method of Determination: GIS and Tax Parcel Data

Change in POD? X N Amendment Required? X N
2. PLACE OF USE: 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	
2N	1W	21				0.6													0.6
						D													
Total Acres =																			0.6

Method of Determination: GIS and Tax Parcel Data

Change in POU? X N Amendment Required? X N
 Delivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable.

 X Aerial Photo Attached (required for irrigation of 10+ acres).

 Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Well Pump	Unknown				

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

D. FLOW MEASUREMENTS

1.Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE						

2. Measurements: No measurement is required for an in-house exam.
E. FLOW CALCULATIONS
 Additional Computation Sheets Attached

Measured Method:

There was no information submitted with the application for permit. Therefore, I am required to fall back on the standard for irrigation use set forth by Administrative Processing Memo #17 and domestic use in Administrative Processing Memorandum #22.

Administrative Memo #17 = 0.6 acres X 0.03 cfs/acres = 0.018 cfs rounded to 0.02 cfs for irrigation use
Administrative Memo #22 = 0.04 cfs for one home.

Permit allowed = 0.04 cfs for Domestic and 0.02 cfs for irrigation for a total of 0.06 cfs.

I am recommending 0.02 cfs since the irrigation limitation is based on Administrative Memorandum #17 and 0.04 cfs for domestic based on Administrative #22 for a total of 0.06 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.6 \text{ acres} \times 4.5 \text{ acre-feet} = 2.5 \text{ acre-feet}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.02 \times 260 \text{ Days} \times 1.9835 = 10.3 \text{ acre-feet}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 2.5 \text{ acre-feet}$$

2. Volume Calculations for Other Uses:

Administrative Processing Memorandum #22 provides guidance to allow 0.6 af for in-house use without yard irrigation. The yard irrigation is covered by the irrigation portion of this permit.

G. PURPOSE OF USE

Irrigation ☒ Y ☐ N # Stock _____ Domestic # of Homes 1

Other: < >

Change in Purpose of Use? ☐ Y ☐ N

Method of Determination: Taxlot data and conversations with owner.

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-house examination. The application for permit states that the permit holder does have Boise Irrigation District canal shares, but those shares can only be used on the 4 acre pasture to the west of the home. The application was approved with conditions that require the permit holder to use their irrigation district shares to full beneficial use prior to diverting the well water for irrigation uses. No other issues appear to arise in the review of this permit. I have included various aerial imagery and Google Maps photos showing this property that shows what is actually irrigated around the home.

Conditions WB5, and 943 should be carried forward to licensing. Condition 121 will be changed to condition 103 as is standard. Conditions R61 and WB7 should be replaced with condition X31. The following X31 condition should be used at licensing:

This right when combined with all other rights shall provide no more than 0.02 cfs nor more than 2.5 afa at the field headgate for the irrigation of the place of use.

Have conditions of permit approval been met? ☒ Yes ☐ No

I. 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	0.04 CFS	0.6 AFA
Irrigation	03/01 to 11/15	0.02 CFS	2.5 AFA
<u>Totals:</u>		0.06 CFS	3.1 AFA

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
 ☒ None

Other: < >

J. AUTHENTICATION – DANIEL A. NELSON – WATER RIGHT ANALYST 3

Field Examiner's Name



Date

12-2-21

Reviewer



Date

12/2/21

Field Exam Map:

The yellow border shows the domestic place of use, and the yellow point shows the domestic point of diversion. The green borders show the irrigation place of use, and the green point shows the irrigation point of diversion. The tax parcels for this property is similar to the domestic place of use.

Ada County Records

Ada County Assessor
Land Records/GIS

2021 Property Details for Parcel S1321141865
[2021](#) [Change Year](#) [Need Help? Email the Appraiser Assigned to this Parcel](#)
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[Details](#) [Valuation](#) [Tax Districts](#) [Taxes](#) [Characteristics](#) [Sketch](#)
Parcel: S1321141865
Year: 2021
Parcel Status: Active in 2021
Primary Owner: GRAMHAM WILLIAM D
Zone Code: RR
Total Acres: 1
Tax Code Area: 239
Assessor ID: PAR #1865 OF SE4NE4 SEC 21 2N 1W
#S1321141865 R 47517911
[View Interactive Map of this Parcel](#)
[View 2021 Assessment Notice](#)
Any modifications made to the assessment after notices were mailed will not be reflected in this notice.
Address: 1015 N BLACK CAT RD KUNA ID 83634
Subdivision: 2N 1W 21
Land Group Type: SECT
Township/Range/Section: 2N1W21
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Residential Characteristics for Parcel S1321141865
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Year Built	1975
Year Remodel	0
Number of Bedrooms	4
Number of Bathrooms	2.0
Number of Fireplaces	1
Air Conditioning	N
Car Storage Sq Ft #1	720
Car Storage Sq Ft #2	0
General Purpose Building Sq Ft	0
Porch Sq Ft	0
Deck Sq Ft	225
Deck Covered	N
Patio Sq Ft	0
Patio Covered	N
Pool Sq Ft	0
Total Sq Ft	2522
Main Floor Sq Ft	1534
Upper Floor Sq Ft	0
Finished Lower Floor Sq Ft	0
Unfinished Lower Floor Sq Ft	0
Finished Basement Floor Sq Ft	988
Unfinished Basement Floor Sq Ft	0
Finished Attic Sq Ft	0
Unfinished Attic Sq Ft	0

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Ada County Assessor

☒ Tool Labels

Search Results: S1321141865
Now after you perform a valid search or enter returns results

I want to...

Google Maps Street View Photos:

