

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATIONPermit No. 63-341141. Owner Ronald & Elizabeth WatsonPhone No. 208-585-5852Current address 10105 Gabica St., Middleton, ID, 836442. Examiner's name Cody ParkerEXAM DATE April 13, 20183. Accompanied by Owners

Email _____

Address _____

Relationship to permit holder _____

Phone No. _____

4. Source Ground Water

tributary to _____

B. OVERLAP REVIEW1. Other water rights with the same place of use Surface water shares2. Other water rights with the same source and point of diversion None**C. DIVERSION AND DELIVERY SYSTEM**

1. Point(s) of Diversion:

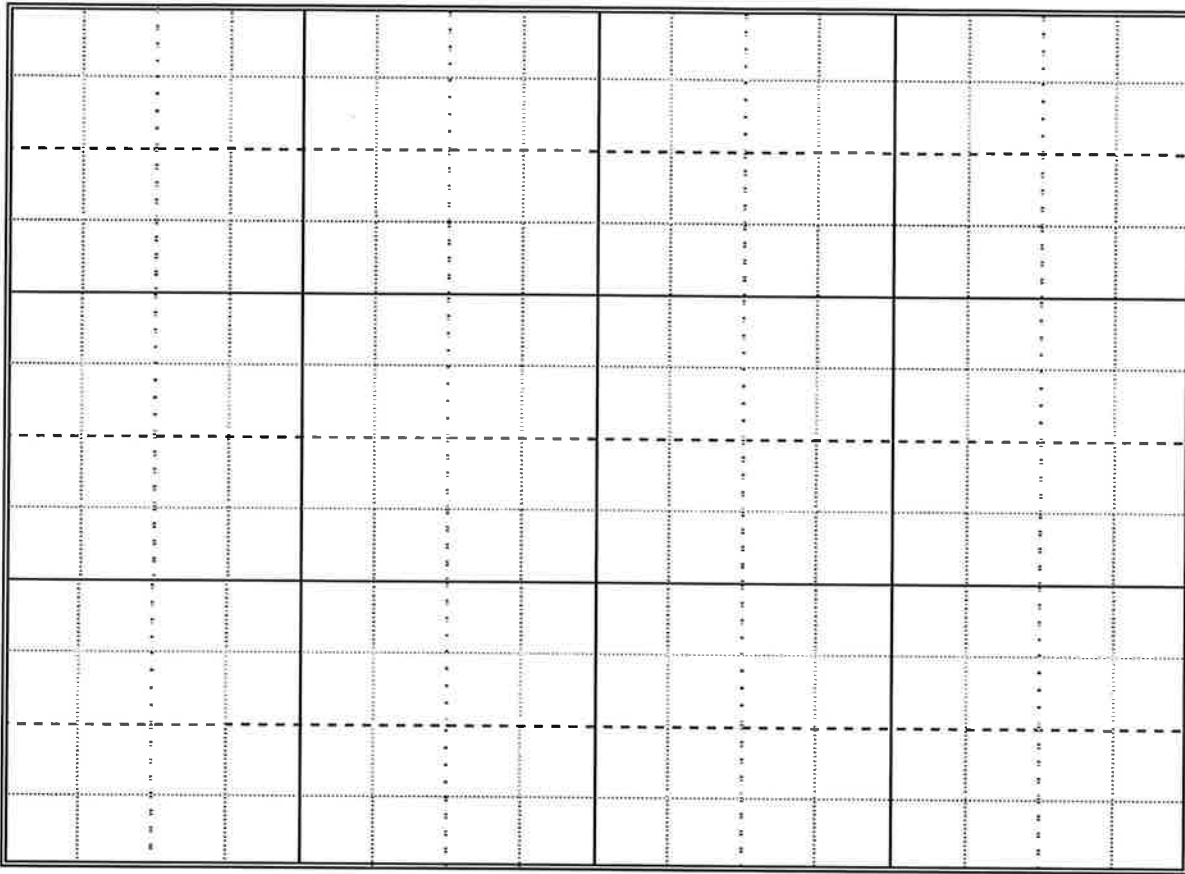
Ident. No.	Gov't Lot	1/4	1/4	1/4	Sec	Twp	Rge	County	Method of Determination/Remarks
	1		SE	SE	8	04N	02W	Canyon	Aerial imagery, digital PLS, pond center

2. Place(s) of Use:

Method of determination Aerial imagery, site visit, digital PLS

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N	02W	8																1.6	1.6
																		X/ L1	

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☒ see attached.



Scale: 1" = _____

- ☒ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (**required**)
☒ 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
None					

*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
NA						

2. **Measurements:** _____

0.17 acres surface area, 12 ft max depth, 1.6 acres irrigated from storage

E. NARRATIVE/REMARKS/COMMENTS

This permit authorizes the storage of up to 20 afa groundwater for irrigation and recreation purposes. Proof of beneficial use was submitted February 8, 2016. I completed the field exam on April 13, 2018 accompanied by Ron Watson. The property is accessed from Gabica St., just west of Duff Ln. near Middleton, Idaho.

A 0.2-acre pond can be seen from aerial imagery and is located in Gov Lot 1 (SESE) of Sec. 8, T04N, R02W, B.M. The pond intercepts shallow groundwater. It is 12 ft at its deepest, with a total capacity of 1.0 acre-feet. The pond loses an additional 0.5 acre-feet water to evaporation. None is lost to seepage. The Recreation Storage component is recommended for the capacity and evaporation.

Water is pumped from the pond using a 5-hp pump which sits approximately 4 ft above the water surface. The pump distributes water to 27 separate RainBird impact sprinklers to water 1.1 acres of lawn/pasture when surface water is not available. Water is also sent to three risers located on a raised area surrounding the pond. K-line with 5 Nelson rotator sprinklers is attached to any of the three risers to water the raised area. The total irrigated area comes out to 1.6 acres.

The irrigation storage volume I have recommended is the statutory limit of 5.0 afa/acre. Surface water is delivered at such irregular intervals that further reduction of the volume was not possible. The irrigation from storage component is recommended for the same volume.

Aside from the surface water shares, which are delivered by the Canyon County Water Co., there are no overlapping water rights. The point of diversion is the pond centroid.

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?

F. FLOW CALCULATIONS☐ Additional computation sheets attachedMeasured Method:
NA**G. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

 $V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____ $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____ $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$ _____

2. Volume Calculations for Other Uses:

Storage: Capacity = 0.17 acres x 12 ft x 0.4 = 1.0 acre-feet; Evaporation = 0.5 acre-feet (pond spreadsheet)

Recreation Storage = Capacity + Evaporation = 1.5 afa

Irrigation Storage = 5.0 afa/acre x 1.6 acres = 8 afa

Irrigation from Storage = 5.0 afa/acre x 1.6 acres = 8 afa

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Irrigation Storage	03/01	11/15		8.0 afa
Irrigation from Storage	03/01	11/15		8.0 afa
Recreation Storage	01/01	12/31		1.5 afa
Totals:				9.5 afa

2. Recommended Amendments

☐ Change P.D. as reflected on page 1☐ Add P.D. as reflected on page 1☒ None☐ Change P.U. as reflected on page 1☐ Add P.U. as reflected on page 1☐ Other**I. AUTHENTICATION**

Field Examiner's Signature _____ Date _____

SEAL

Reviewer _____ Date _____

Right No. 63-34114

Beneficial Use Field Report

System Diagram

WRA Cody Parker

Gabica St.

Risers from mainline.
Valves opened to supply water to K-line

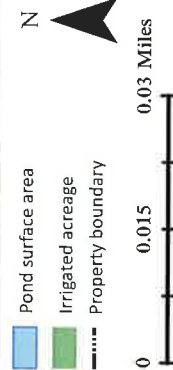
5 hp pump
4 ft lift from water surface
unknown discharge pressure

8

SESE1

04N02W

LEGEND



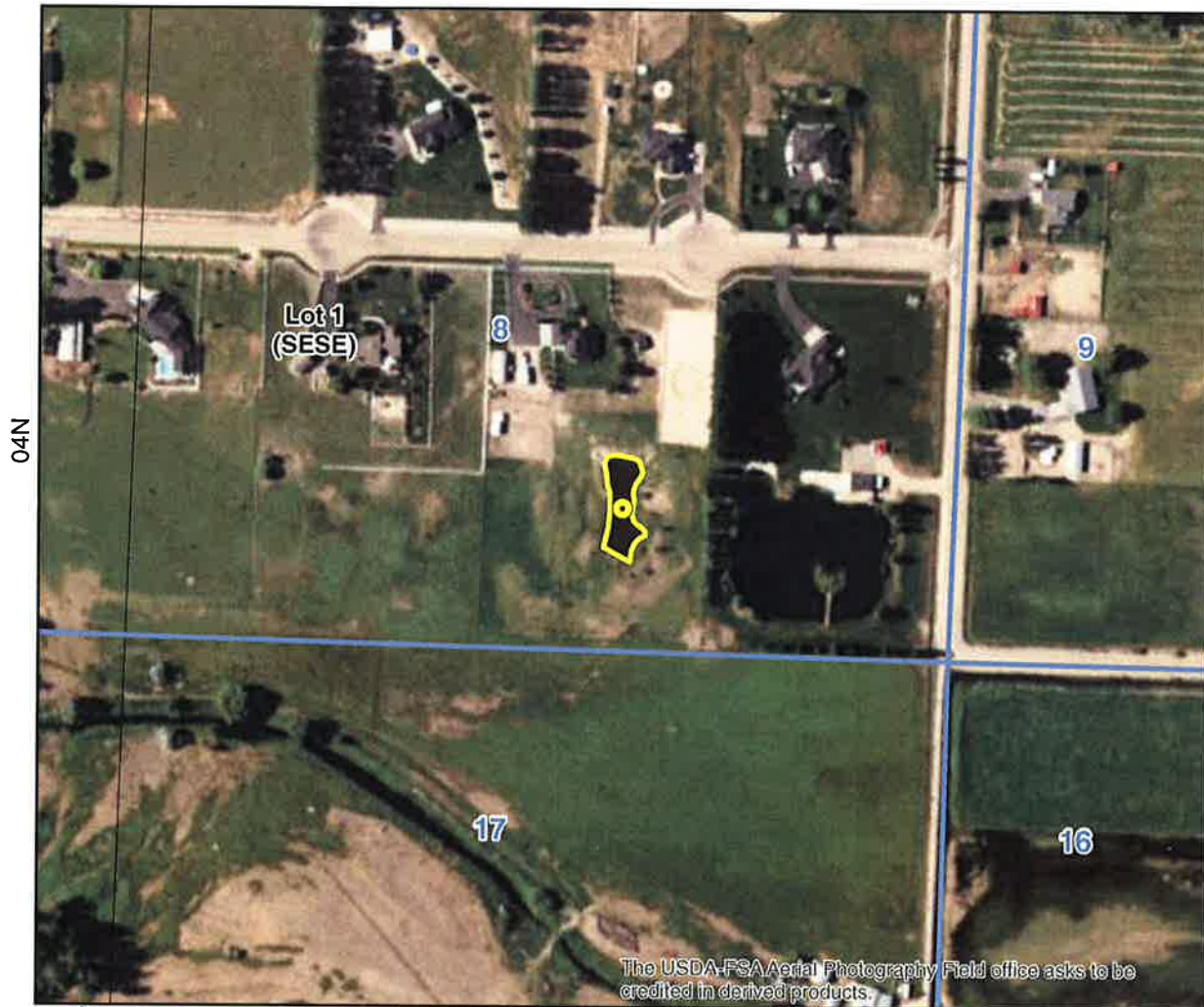
NOTES

- 1 - 27 RainBird impact sprinklers with 3 gpm nozzles used to water these 1.1 acres of lawn/pasture grasses. Groundwater is used to supplement surface water in these areas.
- 2 - 3, 2-inch risers are opened one at a time to feed K-line w/ 5 Nelson rotator sprinklers with yellow nozzles. Groundwater irrigation is supposed to be supplemental to surface water for this area as well. However, surface water generally doesn't reach this area as it is raised above the surrounding area.
- 3 - ~0.2 acres surface area, 12 ft deep, 1.0 acre-feet capacity

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This map depicts the RECREATION STORAGE and IRRIGATION STORAGE 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.

02W



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

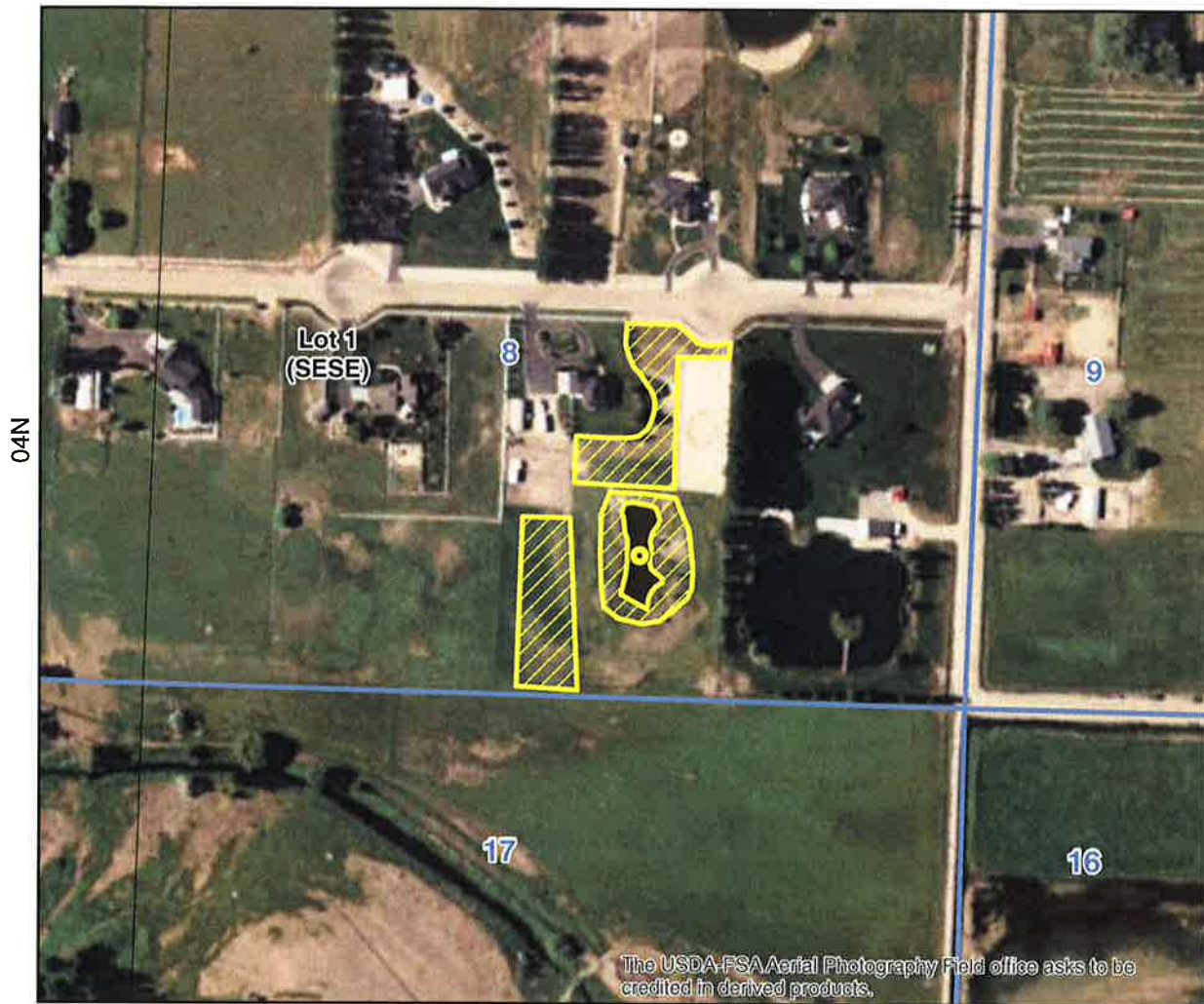
0 0.035 0.07 0.14 Miles



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This map depicts the IRRIGATION FROM STORAGE 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.

02W



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

0 0.035 0.07 0.14 Miles



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DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT
Picture Attachment



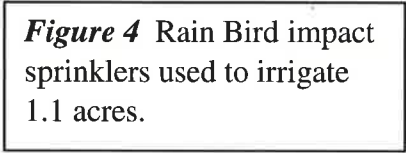
Figure 1 The 1.0 acre-foot pond used for recreation and irrigation purposes.



Figure 2 A 5-hp pump used to divert water from the pond to the irrigation system.



Figure 3 The specifications for the 5-hp pump shown in Figure 2.



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Picture Attachment



Figure 5 K-line with 5 Nelson Rotator sprinkler heads (yellow nozzle) used to irrigate the remaining 0.5 acres.

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04N02W8

Basin/Seq	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
63-124N	FARRIS, F	BOISE R	IRRIGATION		X			X	X											
63-125G	FARRIS, F	BOISE R	IRRIGATION		X			X	X											
63-126E	FARRIS, F	BOISE R	IRRIGATION		X			X	X											
63-161X	CONSUM	BOISE R	IRRIGATION		X			X	X											
63-163	CANYON	BOISE R	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-168B	BORTLE, BOISE R	IRRIGATION		X	X			X	X											
63-168D	FARRIS, F	BOISE R	IRRIGATION		X			X	X											
63-173	FARRIS, F	BOISE R	IRRIGATION		X			X	X											
63-179B	CANYON	BOISE R	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-179C	BARKER, BOISE R	IRRIGATION												X						
63-198AC	FARRIS, F	BOISE R	IRRIGATION		X			X	X											
63-19914	VAN HOG	GROUND	DOMESTIC				X													
63-20842	GABICA, J	GROUND	DOMESTIC													X				
63-20842	GABICA, J	GROUND	DOMESTIC													X				
63-20988	TAULBEE	GROUND	DOMESTIC				X													
63-21403	GOULD, A	GROUND	DOMESTIC				X													
63-21620	SWETLAN	GROUND	DOMESTIC	X																
63-21621	SWETLAN	GROUND	DOMESTIC				X													
63-21761	CANYON	BOISE R	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-22363	CITY OF	GROUND	MUNICIPAL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-23662	MURDOC	GROUND	DOMESTIC				X													
63-23662	MURDOC	GROUND	STOCKWATER				X													
63-23837	STEVENS	GROUND	DOMESTIC			X														
63-23837	STEVENS	GROUND	STOCKWATER			X														
63-254	FARRIS, F	BOISE R	IRRIGATION		X			X	X											
63-255	COUZENS	BOISE R	IRRIGATION		X			X	X											
63-25877	KERSCH, G	ROUND	DOMESTIC				X													
63-25877	KERSCH, G	ROUND	STOCKWATER				X													
63-26430	SHILEY, F	GROUND	DOMESTIC					X												
63-26474	STEVENS	GROUND	DOMESTIC					X												
63-26474	STEVENS	GROUND	STOCKWATER					X												
63-26669	WAGNER	GROUND	DOMESTIC				X													
63-26723	WATKINS	GROUND	DOMESTIC							X										
63-26778	WEEDON	GROUND	DOMESTIC				X													
63-27019	MILLER, J	GROUND	DOMESTIC				X													
63-27244	HAMMON	GROUND	DOMESTIC		X															
63-27359	ELERICK, G	ROUND	DOMESTIC						X											
63-27402	MECUM, G	ROUND	DOMESTIC				X													
63-27913	GIBBONS	GROUND	DOMESTIC						X											
63-28716	MARTIN, G	ROUND	DOMESTIC				X													
63-28716	MARTIN, G	ROUND	STOCKWATER				X													
63-28873	OSWALD	GROUND	DOMESTIC					X												
63-28873	OSWALD	GROUND	STOCKWATER					X												
63-28932	JOHNSON	GROUND	DOMESTIC				X													
63-28942	JOHNSON	GROUND	DOMESTIC				X													
63-28942	JOHNSON	GROUND	STOCKWATER				X													
63-29012	VINCENT	GROUND	DOMESTIC																	
63-29012	VINCENT	GROUND	STOCKWATER																	
63-29037	HELFRICH	GROUND	DOMESTIC																	
63-29712	CROMWE	GROUND	DOMESTIC																	
63-32182	CITY OF	GROUND	MUNICIPAL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-32480	DRAINAC	UNNAME	IRRIGATION		X			X	X											
63-32518	FARRIS, F	UNNAME	IRRIGATION		X			X	X											

BENEFICIAL USE FIELD REPORT

Basin/Seq	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
63-32519	FARRIS, F	UNNAME	IRRIGATION		X			X	X											
63-32520	FARRIS, F	UNNAME	IRRIGATION		X			X	X											
63-32521	FARRIS, F	WASTE W	IRRIGATION		X			X	X											
63-32522	FARRIS, F	WASTE W	IRRIGATION		X			X	X											
63-32523	CANYON LAWREN	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-32524	CANYON UNNAME	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
63-32580	MASON C	MASON C	IRRIGATION											X						
63-33392	BARKER, FIFTEEN	IRRIGATION												X						
63-3398	CITY OF	GROUND MUNICIPAL		X	X	X	X	X	X	X	X		X	X		X	X			
63-34114	KUCHIN'S GROUND	IRRIGATION FROM STORAGE																	1.6	
63-34114	KUCHIN'S GROUND	IRRIGATION STORAGE																	1.6	
63-34114	KUCHIN'S GROUND	RECREATION STORAGE																	X	
63-3545	CITY OF	MIDDLET MUNICIPAL		X	X	X	X	X	X	X	X		X	X		X	X			
63-370	FARRIS, F	BOISE R	IRRIGATION		X			X	X											
63-4425	WATKINS	GROUND DOMESTIC									X									
63-4426	SHILEY, F	GROUND DOMESTIC						X												
63-4960	FARRIS, F	BOISE R	IRRIGATION		X			X	X											
63-8310	CITY OF	GROUND MUNICIPAL		X	X	X	X	X	X	X	X		X	X		X	X			
63-8704	CITY OF	GROUND MUNICIPAL		X	X	X	X	X	X	X	X		X	X		X	X			
63-9128	CITY OF	GROUND MUNICIPAL		X	X	X	X	X	X	X	X		X	X		X	X			

Surface water shares available for irrigation at POU. Irrigation from the pond is supplemental to surface water.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

April 2, 2018

RONALD AND ELIZABETH WATSON
10105 GABICA ST
MIDDLETON ID 83644

RE: Water right permit no. 63-34114

Dear Permit Holder:

We are planning to conduct water right examinations in the vicinity of the permit referenced above **this season**. An examination is needed to verify the water use in order to issue a water right license.

The details of the permit referenced above can be found in the enclosed water permit report. **If you have developed a beneficial use and still own the place of use property, please contact me at your earliest convenience to schedule an examination.**

If you did not develop a beneficial use of water under the permit during the beneficial use period, a license cannot be issued and the permit should be relinquished. If that use was developed, but you have ceased using the water and have no further interest in pursuing a water right, please relinquish the permit by submitting the enclosed Relinquishment of Permit form (no fee required).

Please contact me within the next thirty (30) days at 208-334-2190 to either schedule an examination or submit a relinquishment form. If you do not make a timely response in this regard, action will be taken to void the permit.

Respectfully,

Cody Parker
Water Resource Agent
IDWR Western Region
208.334.2190
cody.parker@idwr.idaho.gov

Enclosed: Water right report and map
Relinquishment form