

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. 63-32185

1. Owner State of Idaho Phone No. 208-334-3700
 Current address Idaho Fish and Game Commission, PO Box 25, Boise ID 83707
2. Examiner's name Cody Parker EXAM DATE 08/17/2017
3. Accompanied by Tyler Archibald Email tyler.archibald@idfg.idaho.gov
 Address same
- Relationship to permit holder Regional Wildlife Biologist Phone No. 208-722-5888
4. Source Groundwater tributary to _____

B. OVERLAP REVIEW

1. Other water rights with the same place of use Surface Water, Riverside Irrigation
2. Other water rights with the same source and point of diversion _____

C. DIVERSION AND DELIVERY SYSTEM

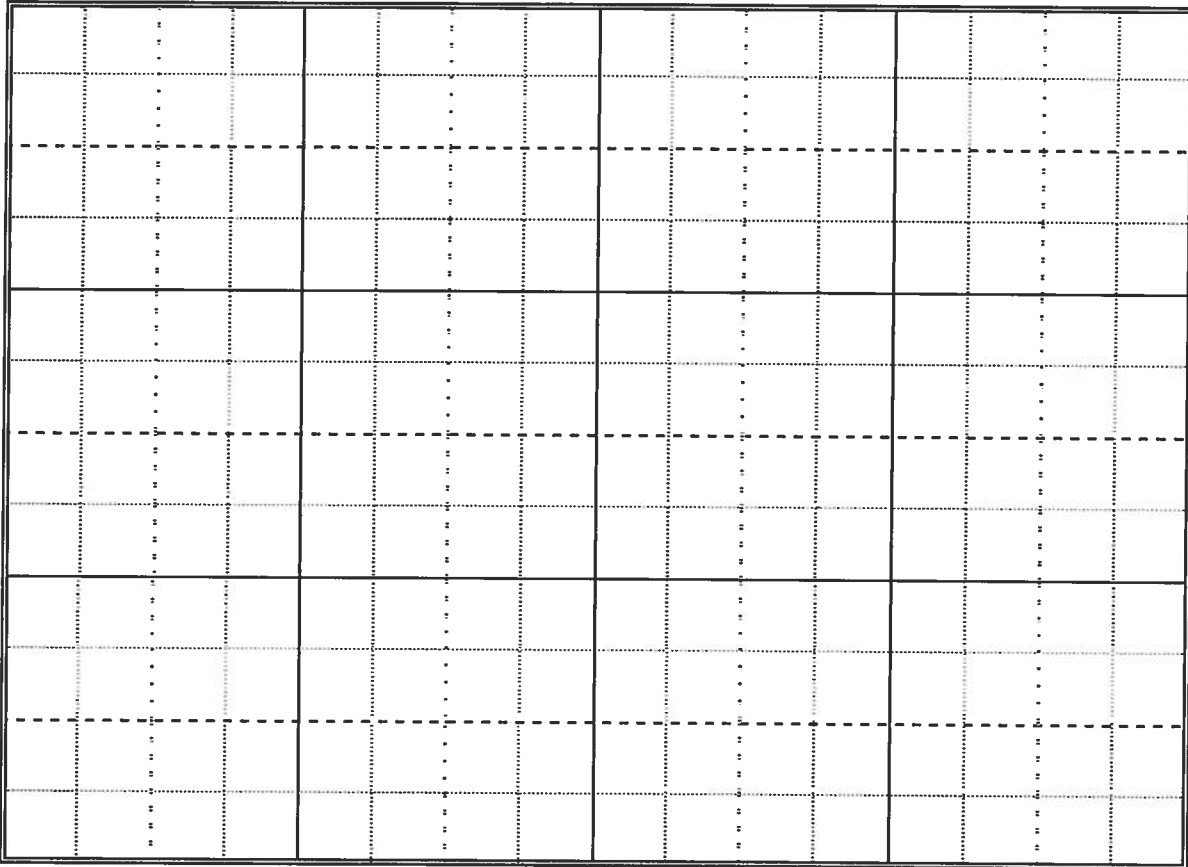
1. Point(s) of Diversion:

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
			SW	NE	25	05N	06W	Canyon	Well Log, GPS

2. Place(s) of Use: Method of determination Aerial Imagery, Digital PLS Map

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
05N	06W	25		X	X		X	X	X	X									

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
D0055896		50			16" steel w/ open discharge

*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
Weir	Cipoletti					

2. Measurements: _____

0.74' weir staff gauge measurement

48.5 acres flooded

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

[illegible]

F. FLOW CALCULATIONS☐ Additional computation sheets attached

Measured Method:

$$Q = 3.367 \times 2.27 \text{ ft} \times (0.74^{1.5}) = 4.87 \text{ cfs (cipoletti weir equation)}$$

$$Q = (8.8 \times 0.7 \times 50 \text{ hp}) / (64 + 0) = 4.81 \text{ cfs (HP equation)}$$

Assuming

Depth to water => 20 ft above pump set depth of 84 ft BGS

0 psi for open discharge

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\text{NA}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

2. Volume Calculations for Other Uses:

$$48.5 \text{ acres} \times 2 \text{ ft (ave depth)} = 97.0 \text{ (capacity)}$$

$$48.5 \text{ acres} \times 0.003 \text{ ft/day} \times 365 \text{ days/year} = 53.1 \text{ afa (seepage, CL soil type)}$$

$$122.0 \text{ afa (evaporation, pond loss spreadsheet)}$$

$$\text{TOTAL} = 272.1 \text{ afa}$$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Wildlife Storage	01/01	12/31		272.1 afa
Diversion to Storage	01/01	12/31	4.80 cfs	
Totals:			4.80 cfs	272.1 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 09/19/2017

SEAL

Reviewer _____ Date _____

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NARRATIVE

Permit 63-32185 was approved on October 27, 2008 authorizing the diversion of 4.8 cfs from groundwater and the storage of 360.0 afa for wildlife use and storage. Proof of beneficial use was submitted on August 15, 2013. On August 17, 2017 I completed a site visit as part of the beneficial use field examination. I was accompanied by Tyler Archibald, a Regional Wildlife Biologist for the IDFG.

The permit authorizes the use of three wells as points of diversion for this right. The backfile indicates that the permit holder was to only develop the wells needed to supply water for this right. At the time of the exam, there was one well supplying water for these ponds. The well is 16 inches in diameter and 165 feet deep. The metal tag number for the well is D0055896. The GPS was not working at the time of the exam, so no coordinates were taken at the site. However, the tag number matches a well log on file with IDWR. The well log indicates that the well is located at N 43°44.686 by W 117°00.037 and is in the SWNE of Section 25, Township 05 North, Range 06 West, B.M.

Water is diverted from the well using a 50 hp pump set at 86 ft BGS. The water is conveyed north through a 16" steel line with open discharge to a concrete box with a cipolleti weir. There are 2 gates in the box which allows the owners to divert water both north and west to the two flooding cells.

The height of the water above the weir plate was 0.74 ft at the time of the exam. We measured the length of the weir plate to be 2.27 ft. I used the weir equation $Q = 3.367Lh^{1.5}$ to estimate the diversion rate based on these parameters. The diversion rate predicted was 4.87 cfs.

I also estimated the diversion rate based on the HP equation. I used the following parameters in my calculation: HP = 50, efficiency = 0.7, pumping level = 64 (20 ft above pump), pressure = 0 psi (open discharge). Based on these, the rate predicted by the equation is 4.81 cfs. The two rates are relatively consistent and generally agree with the permitted rate of 4.80 cfs. I have recommended the permit rate for the license.

I had Mr. Archibald outline the extent of the flooded area in Google Earth and send me a picture to determine the legal description and the storage volume. I georeferenced his screen capture to the imagery in ArcMap, making sure that all road lines and buildings lined up well. The place of use as developed is described as it is on the permit. I created shapes outlining Mr. Archibald's from Google Earth to measure the surface area. Using this method, it appears that the surface area of the POU is 48.5 acres. During the exam, Mr. Archibald stated that the depths of the two ponds range from 18" to 36" and that the sides of the pond are more or less square, rather than gently sloping. I used an average depth of 2 ft in my calculation of the capacity, which comes out to 97.0 af. The soil classification for the ponds is CL, which is associated with a seepage rate of 0.003 ft/day. The total annual seepage volume is 53.1 afa according to the Pond Loss spreadsheet. I calculated an annual evaporation loss volume of 122.0 afa using precipitation deficit data from the Parma Experiment Station (NWS -106844) station. In total, the system

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requires 272.1 afa to remain full throughout the year. I have recommended this volume for the storage component.

There is no flow-through component for this system. Water is diverted from the well to the flooded area and either: evaporates, is lost to seepage, or remains in storage. All of the benefit to wildlife is derived from the storage of water. Therefore, the wildlife (flow-through) component is to be excluded from the license.

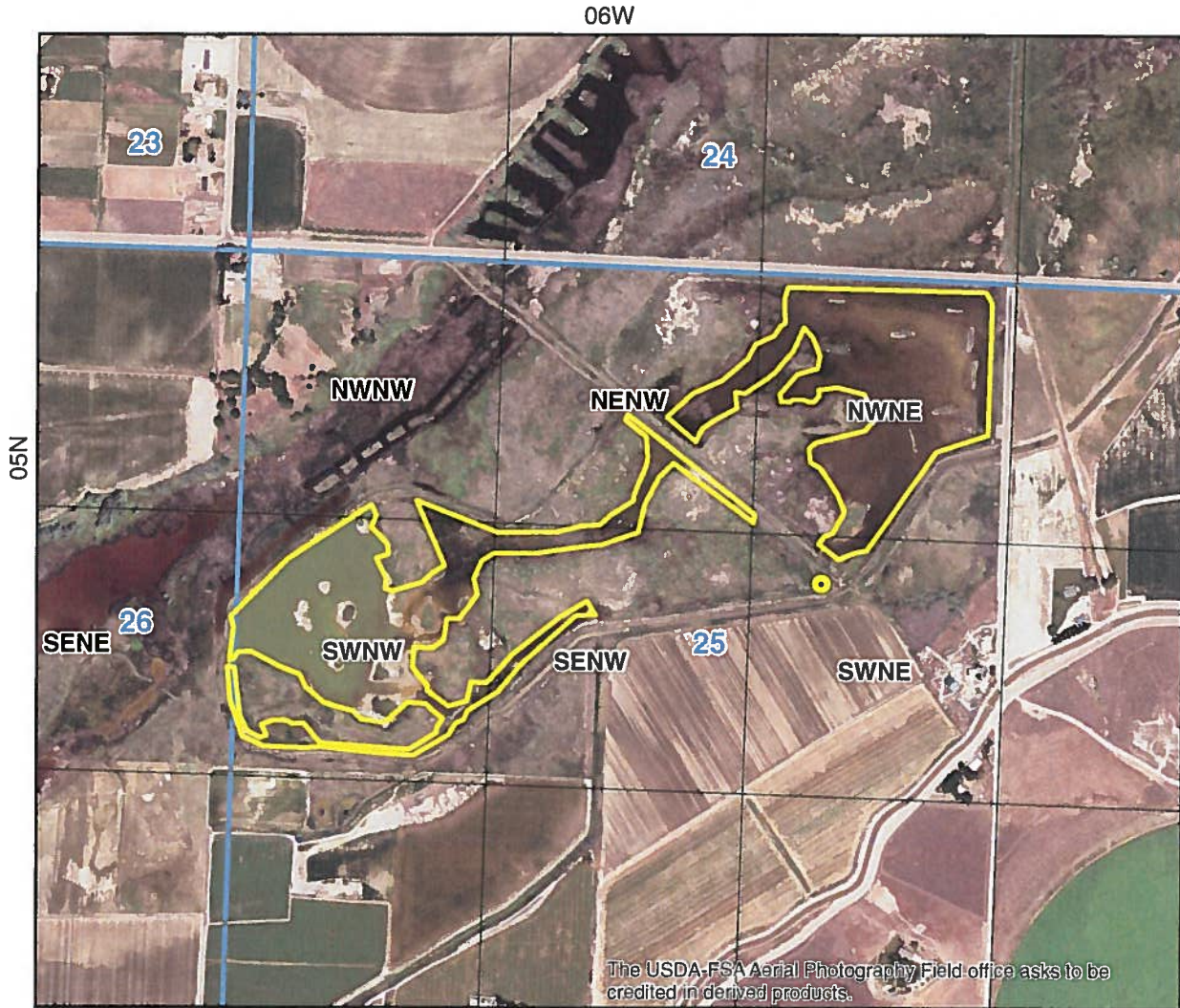
Mr. Archibald stated that they also use water from the Riverside Irrigation District to fill the ponds. However, none of Riverside's rights list wildlife storage as an authorized use.

A condition of the permit specifies that the right holder must conduct a pump test for each POD developed to ensure that there is no substantial injury to neighboring wells. The right holder submitted a report summarizing the pump test for this well on November 12, 2009, satisfying the condition of the permit. The pump test summary has been scanned to the backfile for this right, so there does not seem to be any reason to retain this condition on the license. In addition, there have been no claims of injury resulting from the diversion authorized by this permit, so the condition will be removed at licensing. Future issues can be addressed through a standard call for water.

Another condition of the permit states that the pond is subject to regulation if it exceeds a dam height of 10 ft. or a capacity of 50 acre feet. However, it is current policy that both a dam height of 10 ft and a minimum capacity of 50 af must be met to require regulation. The condition appears to be a restatement of the law rather than a condition of the water right. As it serves no real purpose and is outdated, this condition will be removed at licensing.

State of Idaho
Department of Water Resources
Attachment to Water Right License
63-32185

This map depicts the WILDLIFE 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.

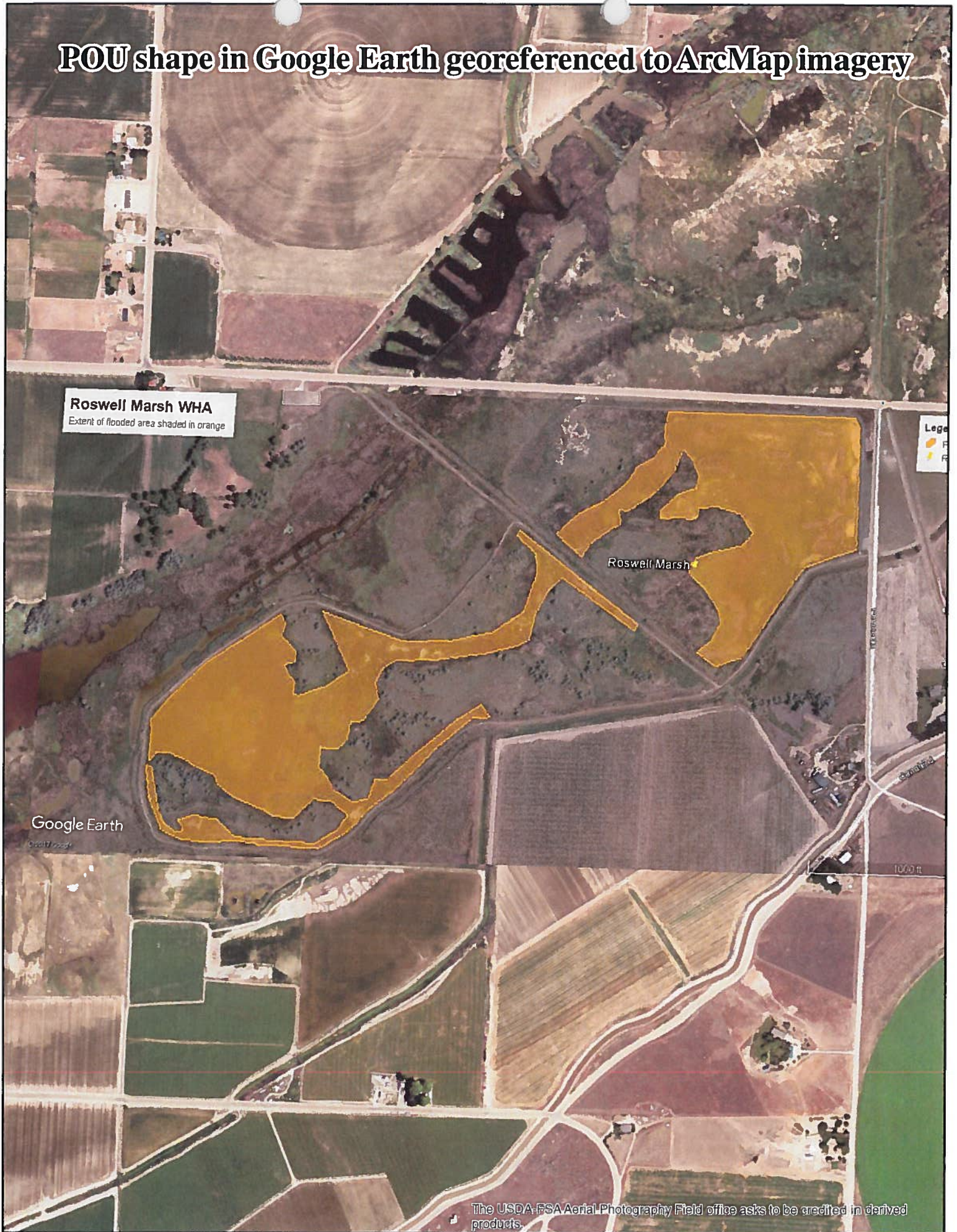


- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections

0 0.1 0.2 0.4 Miles



POU shape in Google Earth georeferenced to ArcMap imagery



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Figure 1 The 16" well diverting water to the concrete box to the north.



Figure 2 Metal tag no. D0055896

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Figure 3 The staff gauge and cipoletti weir in the concrete box north of the well. The picture was taken before the water level reached an equilibrium. Water can be diverted either west or north from the box to flood either of the two cells.



Figure 4 The northern flooded area

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Figure 5 Low-resolution picture of the aluminum culvert from the concrete box leading into the northern flood cell.

Seepage Loss Calculations

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the total annual seepage losses from a pond.

FILE NUMBER	63-32185
REVIEWER	Cody Parker
DATE	9/19/2017

User input
Calculated value
Formula Explanations

INPUTS

Pond Surface Area (AC.)	48.5	AC.
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Pond Surface Area (SQ. FT.)	2112660	SQ. FT.
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I used the following method to obtain my Soil Classification information:	NRCS Web Soil Survey	
My Soil Classification is	CL	
Suggested Seepage Rate (FT./DAY)	0.0030	FT./DAY

Formula: (Surface Area X Seepage Rate) X 7.48 = Gallons Per Day Loss
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Convert to GPD	47408	GPD
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Total Seepage Loss (AFA)	53.1	AFA
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Though sand and gravel seepage rates may actually be higher, the maximum allowable rate is 0.2 ft/day, pursuant to Administrative Memo "Seepage Loss Standards for Ponds and Reservoirs."

Suggested Seepage Rates for Different Soil Types:
GW, GP, GM, GC, SW, SP and SM (silty sand, sand silt mixtures and gravel mixtures) = 0.2 ft per day
OL and ML (inorganic silts - very fine sands, silty, or clayey fine sands) = 0.02 ft per day
SC (clayey sands, sand clay mixtures) = 0.007 ft per day
CL (Low to medium plasticity clays) = 0.003 ft per day
MH, OH, PT and CH (high plasticity clays) = 0.0003 ft per day
LINED PONDS (liners can be chemical, fabric, or bentonite) = 0 ft per day
Ponds Intercepting Groundwater (excavated ponds filled by ground water) = 0 ft per day

PLEASE NOTE: The initial basis for the Suggested Seepage Rates in the table above is found on Page 16 of Seepage from Fish Ponds, Bulletin 599, August 1989 Alabama Agricultural experiment Station, Auburn University, Auburn University Alabama. If you don't know the soil type, please refer to the map provided at the NRCS Web Soil Survey (Tab #1), an ArcMap Soil Classification Map (Tab #1.1), or published NRCS Soil Survey (Tab #1.2). Use "0" if the pond fill relies on the water table.

Evaporation Loss Calculations

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the annual evaporation losses from a pond.

FILE NUMBER	63-32185
REVIEWER	Cody Parker
DATE	9/19/2017

User Input
Calculated value
Formula Explanations

The acronyms used on the Kimberly Research Center website are defined below:
P = Precipitation
ET= Evapotranspiration
P _d = Precipitation deficit
P _d =ET-P

USING THIS SPREADSHEET

Use the link below to access the Kimberly Research Center website. This website provides the Precipitation Deficit for a station most representative of the pond under examination. The Precipitation Deficit is the total amount of free water surface evaporation minus the precipitation for a given area, which gives the total amount of evaporative losses incurred by the pond. There are several weather sites that are used throughout the state. IDWR staff can find the nearest site using Arc Map. The shape file containing the sites can be found at X:/Spatial/Climate/ETIdahostations.shp.

Instructions:

1. Use the link below to navigate to ET Idaho 2012.
2. Select the station which is most representative to your pond location.
3. Click Submit Query.
4. Under "Land Covers with Evapotranspiration Estimates," select "Open Water - Shallow Systems (ponds, streams)" or "Open Water - small stock ponds" depending on the pond size.
5. Click the link to "Precipitation Deficit."
6. Reference and copy (ctrl + C) the first subheading "Mean" values.
7. Click the "Paste Values from ET Idaho" button. The table will automatically enter a zero (0) for any negative precipitation deficit values.

Found at: <http://data.kimberly.uidaho.edu/ETIdaho/>

Precipitation Deficit

Station: Parma Experiment Station (NWS -- 106844)

Month	mm/day ¹	Days per month	mm/Month
Jan	-0.71	31	0.00
Feb	0.10	28	2.80
March	1.37	31	42.47
April	2.51	30	75.30
May	3.45	31	106.95
June	4.11	30	123.30
July	4.90	31	151.90
August	4.16	31	128.96
September	2.88	30	86.40
October	1.56	31	48.36
November	0.00	30	0.00
December	-0.59	31	0.00

Total mm/year = 766.44

PLEASE NOTE: The seasonal average for precipitation deficit should not be used for calculations because precipitation often exceeds evaporation during wetter months of the year. If the pond is kept full, excess precipitation during wetter months does not serve to refill the pond during drier months.

For example, see Sandpoint KSPT (NWS -- 108137), the annual precipitation deficit is -106 mm. However, April through September have positive precipitation deficit values. To properly estimate the annual volume of water necessary to refill a pond due to evaporation losses, the table will automatically enter a zero (0) for each month that the precipitation value is reported as a negative value.

As described above, precipitation offsets evaporation in winter months, so the net effect is that wintertime precipitation deficit is usually zero.

$$\left(\frac{766.44}{304.8} \right) \times 48.50 = 122.0 \text{ AFA}$$

[(mm/yr) ÷ (convert to feet)] X (Surface area of pond, in acres) = Evaporation Loss in Acre Feet

Total Storage Calculations

FILE NUMBER	63-32185
REVIEWER	Cody Parker
DATE	9/19/2017

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the total seepage, evaporation and fill capacity required for a pond.

User Input
Calculated value
Formula Explanations

Surface Area (AC.)	48.5	"Surface Area" is automatically carried over from the "Seepage Loss" sheet.
Average Pond Depth (FT.)	2	"Average Pond Depth" depicts the actual depth of the pond either measured or estimated. Note: If you know the maximum depth and not the average depth, the Field Examiner's Handbook suggests multiplying the maximum depth by 0.4 to get the average depth, or you can use any method that seems reasonable to attain average depth.
Pond Capacity (AF)	97	Pond Capacity is calculated by multiplying the Pond Surface Area by the Average Pond Depth. If you know the capacity, divide the capacity by surface area and enter the average pond depth in the space above. <i>Note: If pond capacity is determined using a method shown on the "Pond Capacity" sheet, the user may need to modify the value of "Pond Capacity" (cell B9) manually. Note that if the value is modified manually, the formula will be altered for future use.</i>
Multiple Fill Volume Above Initial Fill to Fulfill From Storage Needs- "Multiple Fills" (AF)	0	The "Multiple Fill Volume Above Initial Fill" is the acre-feet of water required to meet a <i>from storage</i> component if the <i>from storage</i> component exceeds a one time fill. This section should not include the amount of water needed to fill the pond initially or the amount of water needed to maintain the pond level due to evaporation or seepage. For example: if a pond has a capacity of 5 acre feet and 2.5 acre feet of seepage and evaporation, but the pond is used for irrigation that requires 10 acre feet of from storage for the irrigation use, then you would insert 5 acre feet into this location (10 acre feet needed - 5 acre feet from the initial fill = 5 acre feet of additional storage needed). <i>Note: You must have a "From Storage" component exceeding the initial fill on the permit to include a volume in this space.</i>
Estimated Seepage Loss (AF)	53.1	The "Estimated Seepage Loss" is automatically carried over from the "Seepage Loss" sheet.
Estimated Evaporation Loss (AF)	122.0	The "Estimated Evaporation Loss" is automatically carried over from the "Evaporation Loss" sheet.
Total Volume Required (AF)	272.1	The "Total Volume Required" is calculated by adding the Pond Capacity, Multiple Fills, Seepage Loss, and Evaporation Loss amounts to determine the total amount of storage required.

Flow Rate into Pond (CFS)	4.80	The "Flow Rate into Pond" depicts the actual flow, either measured or estimated, into the pond. For offstream facilities, this will be equivalent to "diversion to storage" rate.
Highest Daily Evaporation Rate From Evaporation Tab. (mm/Day)	4.90	This number is carried over from the "Evaporation Loss" sheet. It is the highest recorded number in the "Precipitation Deficit Table".
Required Daily Maintenance Volume (AF/Day)	0.93	"Required Daily Maintenance Volume" is the maximum volume of water needed on any given day during the year to maintain pond volume. It is calculated by adding the highest daily evaporation loss to the average daily seepage loss in acre feet. The average daily seepage loss is calculated by dividing the "Estimated Seepage Loss" by 365 days. This is acceptable, since the seepage rate shouldn't vary throughout the season unless the pond completely freezes over during the winter months. The highest daily evaporation loss is calculated by dividing the Highest Daily Evaporation Rate by the 304.8 conversion factor and multiplying this number by the pond surface area to attain a combined daily acre feet requirement.
Minimum Maintenance Flow (CFS)	0.47	The "Minimum Maintenance Flow" is the minimum amount of flow required to maintain the level of the pond. This number is determined by dividing the "Maximum Required Daily Maintenance Volume" by 1.9835. This flow can be used to determine if the flow rate into the pond is adequate to maintain the pond level.
Days Required to Fill the Pond	11	The "Days Required to Fill the Pond" is calculated by dividing the "Pond Capacity" by the "Flow Rate" minus "Minimum Maintenance Flow" multiplied by 1.9835. This section will assist you in determining if the flow rate being diverted to the pond is adequate to fill the pond while maintaining the pond level. The length of time to fill the pond will help determine if the flow rate is adequate for the size of pond being proposed. If this number is approximately 6 months (180 days) or more, the reviewer should have a discussion with the applicant to make sure he/she understands that it will take a significant length of time to fill the pond.
Days Required to Fill the Pond at 13,000 Gallons per Day	-110	Some water users may want to fill a pond under the 13,000 gallons per day domestic exemption. The "Days Required to Fill the Pond at 13,000 Gallons per Day" is calculated by converting the "Pond Capacity" and the "Required Daily Maintenance Volume" to gallons. The "Pond Capacity" is then divided by 13,000 gallons minus the "Required Daily Maintenance Volume" in gallons to determine the number of days to fill pond. If this number is approximately 6 months (180 days) or more, the reviewer should have a discussion with the applicant to make sure he/she understands that it will take a significant length of time to fill the pond. Negative values indicate that the supply of 13,000 gallons per day is not enough volume to overcome the required daily maintenance volume; the pond will never fill.

Signature of Principal Driver and rig operator are required.

BasinSequence	Owner	Source	Use
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Basin/Sequence	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
63-136	BARKER RC	BOISE RIVE	IRRIGATION			X	X					X		X	X	X	X	X	X	
63-137B	BARKER RC	BOISE RIVE	IRRIGATION			X	X					X		X	X	X	X	X	X	
63-200A	BARKER RC	BOISE RIVE	IRRIGATION			X	X					X		X	X	X	X	X	X	
63-20599	BLACK, BILI	GROUND V	DOMESTIC															X		
63-20599	BLACK, BILI	GROUND V	STOCKWATER															X		
63-20614	BLACK, BILI	GROUND V	DOMESTIC															X		
63-20795	STORY FAR	GROUND V	DOMESTIC				X											X		
63-2106	UNITED ST.	FIVEMILE C	IRRIGATION			X	X					X		X	X	X	X	X	X	
63-2212	UNITED ST.	PIPE GULCI	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-226	BARKER, AI	BOISE RIVE	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-227	BARKER, AI	BOISE RIVE	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-2279	BARKER, AI	INDIAN CRI	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-228	BARKER, AI	BOISE RIVE	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-229	BARKER, AI	BOISE RIVE	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-23160	ALLENDER, GROUND V	DOMESTIC											X							
63-23160	ALLENDER, GROUND V	STOCKWATER											X							
63-233K	AMERICAN	BOISE RIVE	IRRIGATION			X	X					X		X	X	X	X	X	X	
63-2351B	CARLSON, I	UNNAMED	IRRIGATION	9																9
63-2374	BARKER, AI	INDIAN CRI	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-2388A	UNITED ST.	BOISE RIVE	IRRIGATION			X	X					X		X	X	X	X	X	X	
63-2389	BARKER, AI	ARENA LAK	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-2392F	BOISE PRO. WASTE WA	IRRIGATION				X	X					X		X	X	X	X	X	X	
63-251A	UNITED ST.	BOISE RIVE	IRRIGATION			X	X					X		X	X	X	X	X	X	
63-25860	BARNARD, GROUND V	DOMESTIC				X														
63-25860	BARNARD, GROUND V	STOCKWATER				X														
63-26090	BARNARD, GROUND V	DOMESTIC				X														
63-26090	BARNARD, GROUND V	STOCKWATER				X														
63-266	BARKER, AI	BOISE RIVE	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-267	BARKER, AI	BOISE RIVE	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-268	BARKER, AI	BOISE RIVE	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-299	BARKER, AI	BOISE RIVE	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-300	BARKER, AI	BOISE RIVE	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-301A	UNITED ST.	BOISE RIVE	IRRIGATION			X	X					X		X	X	X	X	X	X	
63-302A	UNITED ST.	BOISE RIVE	IRRIGATION			X	X					X		X	X	X	X	X	X	
63-32185	STATE OF I	GROUND V	WILDLIFE		X	X		X	X	X	X					X	X	X	X	
63-32185	STATE OF I	GROUND V	WILDLIFE STO		X	X		X	X	X	X									
63-32579	UNITED ST.	BOISE RIVE	IRRIGATION FI	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-33251	BOISE PRO	INDIAN CRI	IRRIGATION			X	X					X		X	X	X	X	X	X	
63-33252	BARKER RC	EAST AREN	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-33253	BOISE PRO	TENMILE C	IRRIGATION			X	X					X		X	X	X	X	X	X	
63-33682	BARKER, AI	CHRISTIAN	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-33683	BARKER, AI	GUESS GUL	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-33735	BARKER, AI	WEST END	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-33736A	BARKER, AI	MAMMEN	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-33736B	BARKER, AI	MAMMEN	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-373A	UNITED ST.	BOISE RIVE	IRRIGATION			X	X					X		X	X	X	X	X	X	
63-4007	BARKER, AI	MEADOWS	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-4008	BARKER, AI	MAMMEN	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			
63-4010	BARKER, AI	WEST END	IRRIGATION	X	X	X	X	X	X	X	X	X	X	X	X		X			



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

May 8, 2017

STATE OF IDAHO
IDAHO FISH & GAME COMMISSION
PO BOX 25
BOISE ID 83707

RE: Scheduling Field Exam for Water Right Permit No. 63-32185

Dear Permit Holder:

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

The above-referenced permit authorizes **4.80 cfs** and **360.0 afa** of **GROUND WATER** for **wildlife** and **wildlife storage** uses. **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 have ceased using the water and you currently carry no interest in it, please relinquish the permit by submitting the enclosed Relinquishment of Permit form (no fee required).

If you did develop a beneficial use of water under the permit, but you no longer own the place of use property identified in the permit, please submit the enclosed Assignment of Permit form with the applicable \$25 processing fee.

Please contact me within the next thirty (30) days at (208) 334-2190 to either schedule an examination or submit a relinquishment or assignment form. If you no longer own the place of use property and/or do not respond to this letter, the department will work with the current property owner to issue a license or void the permit.

Sincerely,

Cody Parker
Water Resource Agent

Enclosures: Relinquishment of Permit form
Assignment of Permit form
Water Permit Report and Map