

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-11617
Exam Date: 6/1/2017

1. Current Owner:
BID LLC C/O DOUGLAS K BATES
777 W MAIN ST STE 900 BOISE ID 83702 (208) 489-7488
2. Accompanied by: Josh Kling, Ryan Thorpe, and Terry Scanlan (SPF)
Phone No: (208) 489-7488
Address: 777 W MAIN ST STE 900 BOISE ID 83702
Relationship to Permit Holder: Ranch Managers and Consultant

3. **SOURCE:**
BOISE RIVER

TRIBUTARY:
SNAKE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 63-32066
2. Other water rights with the same point-of-diversion: 63-32066, 63-32467, 63-33910

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

BOISE RIVER L3 (NE¼NW¼) Sec. 36, Twp 05N, Rge 05W, B.M. CANYON County
BOISE RIVER L2 (SW¼SE¼) Sec. 25, Twp 05N, Rge 05W, B.M. CANYON County

Method of Determination: Field exam and aerial imagery.

2.

PLACE OF USE: WILDLIFE

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	05W	23												X					
05N	05W	25						X	X			X	X						
05N	05W	25						X L 6	X L 5			X L 4	X L 9						
05N	05W	25							X L 7			X L 8							
05N	05W	26	X	X L 2	X	X	X			X	X			X	X	X	X	X	
05N	05W	26	X L 1		X L 2	X L 1				X L 3	X L 7								
05N	05W	26			X L 8	X L 9				X L 7									

Method of Determination: Field exam and aerial imagery.

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

X 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.

X

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

X

X Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
NA	NA	NA	NA	NA	NA

*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
Velocimeter	Acoustic Doppler	SonTec	Flow Tracker	P4553	NA	NA

2. Measurements:

SWSE POD –

On November 28, 2017 a flow tracker was used to calculate flow on Andrew Ditch, roughly 230 feet from the Boise River. The POD off the Boise River consists of a 4' slide gate that is connected to a 6' concrete arched tunnel. The measured spot was selected downstream to alleviate turbulence.

L3NENW POD –

On December 5, 2017 a flow tracker was used to calculate flow on the unnamed ditch, roughly 100 feet downstream from the control gate located at ~ 43°44'03.55" N 116°53'31.06" W. Because the control device limits flow, discharge was measured downstream of the device instead of upstream closer to the POD.

E. FLOW CALCULATIONSX Additional Computation Sheets Attached

Measured Method:

SWSE POD –

The average discharge velocity in Andrew Ditch was 1.4854 ft/sec with a total area of 32.50 ft². This totals a discharge of **48.2741 cfs** ± 3.1% as outlined in the attached discharge measurement summary.

WEIR Calculations:

Andrew Ditch Beginning – (Suppressed Rectangular Weir) 5' wide X 2.1' depth = **50.67 cfs**

Sand Run Gulch Creek Diversion – (Compressed Rectangular Weir) 3' wide X 0.8' depth = **6.77 cfs**

Andrew Ditch End – (Compressed Rectangular Weir) 4' wide X 0.8' depth = **9.15 cfs**

L3NENW POD –

The average discharge velocity in unnamed ditch was 0.9578 ft/sec with a total area of 13.803 ft². This totals a discharge of **13.2210 cfs** ± 6.0% as outlined in the attached discharge measurement summary.

F. VOLUME CALCULATIONS

1. Volume Calculations for WILDLIFE:

V_R = IDWR does not have a policy/standard volume for beneficial use developed under WILDLIFE use. During the field exam, it was noted by Josh Kling and Terry Scanlan that water is not divert for wildlife use from 2/15 to 3/15 allowing the ducks to "rest." As such, a volume requirement can be calculated using 94 days instead of the full 121 days (121 – 27).

[Diversion Rate (cfs)] x (Days season of use) x 1.9835 = 3.0 cfs X 94 Days X 1.9835 = **559.3 AF**

V_{DR} = [Diversion Rate (cfs)] x (Days season of use) x 1.9835 = 3.0 cfs X 121 Days X 1.9835 = **720.0 AF**

V = Smaller of V_R and V_{DR} = **559.3 AF or 559 (department recording standards)**

G. NARRATIVE/REMARKS/COMMENTS

Permit No. 63-11617 authorizes a diversion rate of 3.0 cfs for WILDLIFE purposes. A field exam was conducted by WRAs Cody Parker and Aaron Skinner on June 1, 2017, who were accompanied by Terry Scanlan (SPF), Josh Kling (BID Ranch Foreman), and Ryan Thorpe. Return visits were 11/28/2017 and 12/5/2017 to conduct measurements during season of use.

BACKGROUND:

The purpose of this right was to create a nesting and resting area for wildlife with flow through water from the Boise River. This permit was the original proposed wildlife development, which later received an expansion developed under Permit No. 63-32066 that was permitted in 2005. An assignment of permit was received on July 3, 2017, which changed the owners to BID, LLC. Josh Kling was the ranch foreman when the land was owned by the Iest Family Trust and is the current foreman for BID. During the field exam, he stated that all the land owned by the Iest Family Trust was, at one time or another, flooded for wildlife use. As such, the POU will be adjusted to include historical use acreage. The POU area was derived from the GCDB layer intersection with POU shape in ArcMap. When establishing the POU boundary and a field was cut in half with the permitted POU layer, the boundary was extended to include the entire field. Therefore, **an amendment is necessary relative to the POU adjustments**. The POD described as L2SESWSE in Section 25 requires clarification. The Boise River has moved a bit since the last survey was completed so L2 no longer abuts the river and the diversion is actually on unsurveyed accretion land adjacent to L2. No amendment is necessary relative to the POD, but a clarifying condition should be placed on the license to note the location description is protracted from the adjacent surveyed land. The POD located at L3NENW of Section 36 is recommended to replace the permitted POD located at NENE of Section 35. The

recommended POD is a better representative of where water is diverted from the Boise River and consistent with other WRs at the POD. **An amendment is also necessary relative to the change in POD description.**

System Description:

Water is conveyed to the place of use by Andrew Ditch that runs through the middle of the POU and an unnamed ditch that heads on the PLSS boundary line of NENE and SESE of Section 35. Existing irrigation ditches are used to flood the POU for wildlife use. Wildlife use is described as a flow through use. During the field exam, the flow through use was discussed with Josh and Terry. They assured us that water returns via Andrew Ditch and an unnamed ditch (conveyance for this right). However, the 6.77 cfs diverted to Sand Run Gulch Creek does not flow back to the Boise River. To my knowledge, there are no existing WRs to explain the Sand Run Gulch Creek diversion. The attached ditch diagrams show the varying ditches throughout the property that are used to deliver water to each parcel.

Diversion Rate and Volume:

The permitted rate is 3.0 cfs. Because there are two PODs, each conveyance was measured and analyzed in regards to system capacity relative to the season of use. Andrew Ditch field measurement totaled 48.27 cfs and the Unnamed Ditch measurement totaled 13.22 cfs as described in Section E of this report. Volume calculations were completed as outlined in Section F of this report. **A rate and volume recommendation for licensing is 3.0 cfs and 559.0 AF respectively.**

Andrew Ditch Review:

The permitted rate is 3.0 cfs. The total diversion from the river at the point of diversion was measured at approximately 48 cfs. The measurement of 48 cfs is very near or at the ditch capacity. Existing permits and water rights that use the Andrew Ditch diversion total 43.5 cfs. The ditch has the capacity to carry the permitted diversion rate. Additional measurements were taken using existing weirs near the end of the BID property and at an outlet that diverted water from Andrew Ditch to Sand Hollow Creek. Weir locations were recorded and calculated using the standard formula for a contracted and suppressed rectangular weir. The calculations are shown on the attached spreadsheet and a map of each weir location is included in this file.

Of the approximately 48 cfs of water diverted into the ditch, 9.15 cfs remained in the ditch at the weir near the end of the BID property, and 6.77 cfs was spilling into Sand Hollow Creek. The balance of approximately 32 cfs represents the amount of water used by BID under 63-32066 and 63-11617, as well as seepage and operational losses in the delivery of these rights and 63-32467 to TreeTop.

At the time of the field exam, the total diversion from the Boise River exceeded the 43.5 cfs to fulfill all rights currently on Andrew's Ditch. The ditch has the capacity to carry the permitted rate for this permit and other rights that use this POD. Additionally, the distribution system is sufficient to distribute the permitted rate and was observed to do so.

The Andrew Ditch Beginning weir was within 10% of the Flow Tracker discharge measurement satisfying potential measurement requirements. Currently, there are no measuring requirements for this as an order was issued waiving the condition. This measuring device is critical because it's before any diversion. The weir does not operate as a sharp crested rectangular weir as the calculation we made suggests. It possesses characteristics of a weir and/or flume, but would not be considered a standard measuring device by IDWR standards. The weir has a suppressed concrete approach, but then includes a 2" X 10" bulkhead to create a nappe. The bulkhead is completely submerged and no crest is established. While not standard, it is possible this structure can be rated and could then be acceptable should measurement be required in the future. **Upon future notification, this weir should be modified to meet department standards or an accurate rating table should be generated.**

Unnamed Ditch Review:

There are currently no licensed WRs that use this conveyance during the non-irrigation season. Permit No. 63-33910 allows development for 4.50 cfs through the unnamed ditch. The measured rate of 13.22 cfs suggests an **over diversion of 5.72 cfs.**

Ownership:

Current Canyon County taxlot data was used to verify land ownership and still showed The Tina Iest Family LLLP as owners of the land associated to this right. SPF sent a BID, LLC WR package into the department on July 3, 2017. It is understood that BID, LLC purchased the land associated to this permit earlier this year (2017) from The Tina Iest Family LLLP.

Overlap:

Since this right is intended to be used outside the irrigation season, and it has historically been used in that way, the season of use should be shortened to end on March 1 to avoid overlap with other rights that use this system and any associated combined limits that would be necessary otherwise. The applicant verbally agreed this is a better solution than to define combined use limits on the rights for the 15 days of overlap.

POD overlap analysis identified WR No. 63-32066 and 63-32467 as the only water rights that have the same season of use and divert from the L2 SWSE, Section 25 POD. Only the permit 63-33910 was identified with the same season of use that uses the POD in the L3NENW of Section 36. Several other rights divert water through Andrew Ditch and/or the unnamed ditch, but as outlined in the attached analysis, the season of use do not overlap and don't affect the wildlife diversions. Several of these rights are identified as "mitigation," therefore, a non-diverting right.

POU overlap analysis identified WR No. 63-32066 as the only overlapping right. No combined use limit is necessary. The delivery system can hold the necessary water allocated in both overlapping rights. The 7 other water rights that overlap with the POU do not have overlapping seasons of use with this permit. All WRs related to Farmer's Cooperative Ditch

Company are part of a large PPU. Therefore, it's inferred that no overlap exists in Section 26 L1NENENE 05N05W for irrigation purposes.

Conditions:

Condition 01J was changed to R43 and added the language "Upon specific notification by the Department, the right holder shall install a measuring device..." and forwarded to licensing. A waiver was ordered in 1993 changing the measuring requirement. Condition R02 was added to require the holder to maintain a lockable device according to the waiver received in 1993. Currently, the headworks at Andrew's Ditch and the Unnamed Ditch can be locked. However, the watermaster cannot curtail an individual WR. Condition R05 was updated to the new language and forwarded to licensing. The explanatory condition "This permit provides..." was removed since the use is implied with wildlife use. Condition 027 was forwarded to licensing. Recommend also F17 to clarify point of diversion description.

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>
WILDLIFE	11/15 to 03/01	3.00 CFS	559.0 AF
	<u>Totals:</u>	3.00 CFS	559.0 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 ☐ None

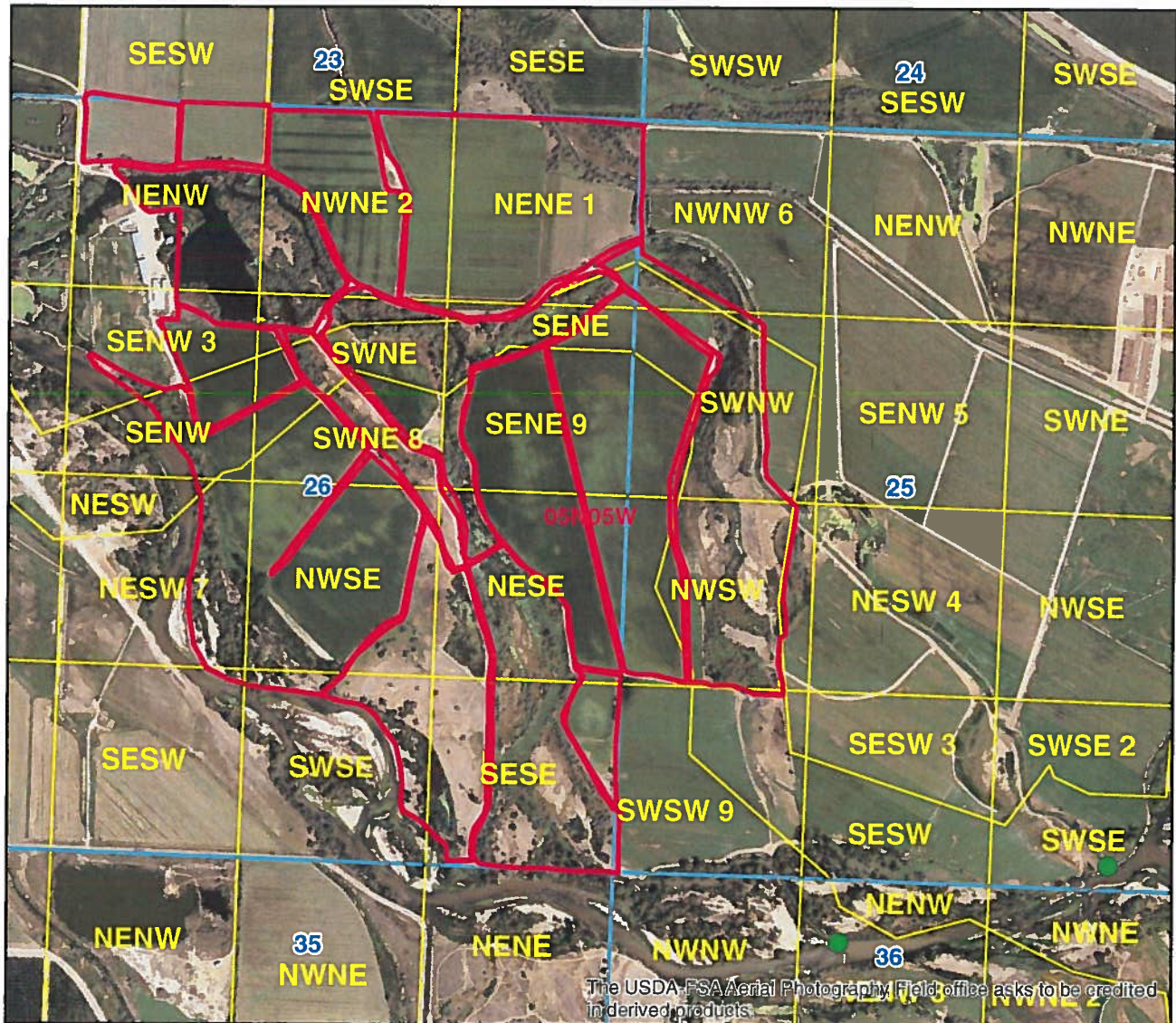
I. AUTHENTICATION

Field Examiner's Name Aaron Skinner Date 3/21/2018

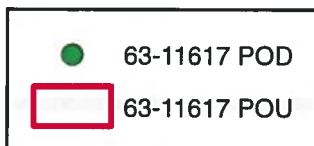
Reviewer [Signature] Date 3/22/18

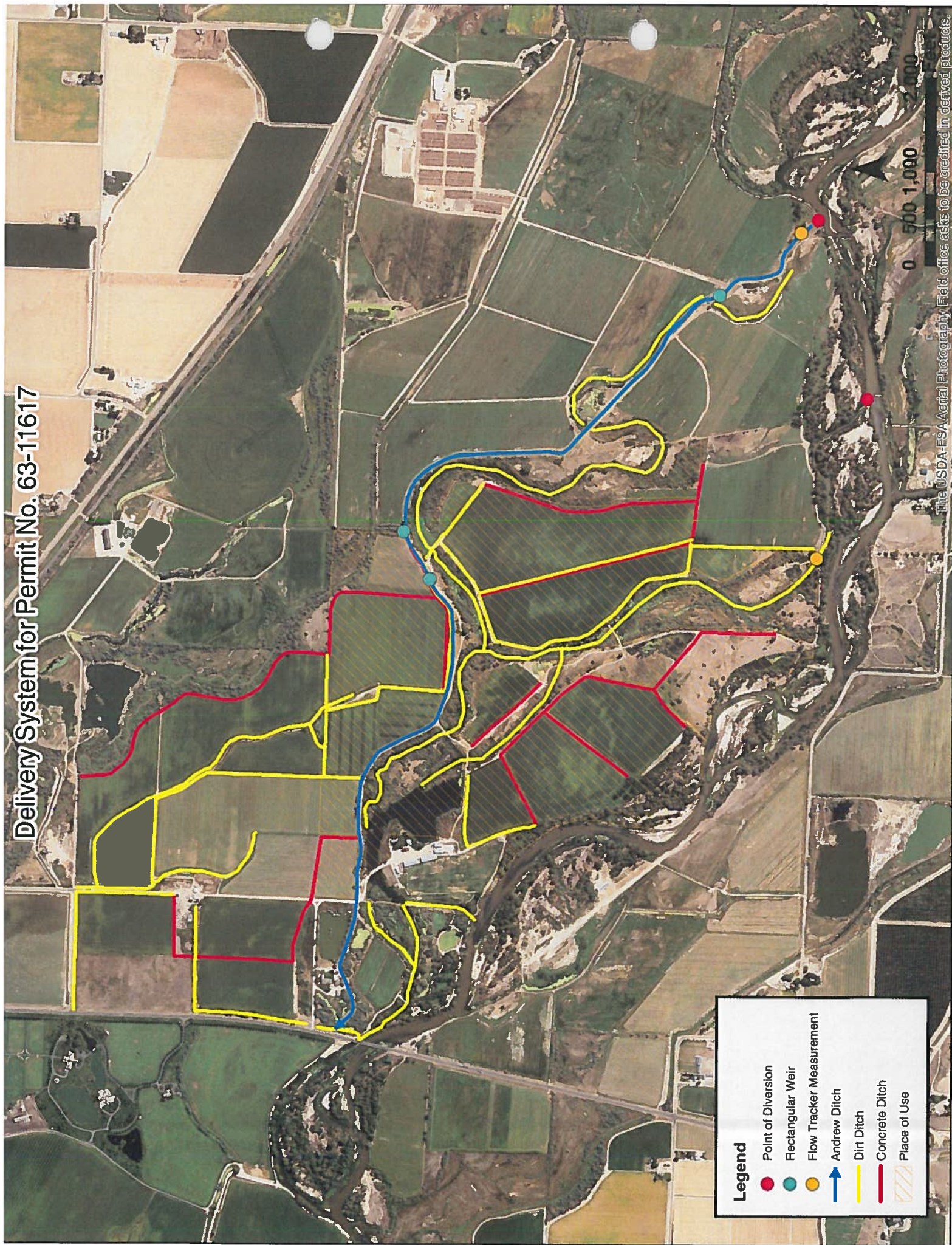
State of Idaho
Department of Water Resources
Place of Use and Point of Diversion
Water Right Permit No. 63-11317

This map depicts the WILDLIFE 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.



0 0.15 0.3 0.6 Miles





Legend

- Point of Diversion
- Rectangular Weir
- Flow Tracker Measurement
- Andrew Ditch
- Dirt Ditch
- Concrete Ditch
- Place of Use

Flow Measurements for Permit No. 63-11617

Calculated as contracted rectangular weir 4' wide and 0.8' depth
 $Q = 9.15$ cfs; End of BID and last diversions

Sand Gulch Creek diversion - calculated as a contracted weir
3' wide and 0.8' depth; $Q = 6.77$ cfs

Concrete Weir - calculated as a suppressed rectangular weir
5' wide and 2.10' depth; $Q = 50.67$ cfs

Flow Tracker measurement location
 $Q = 48.27$ cfs $\pm 3.1\%$

Flow Tracker measurement location
 $Q = 13.22$ cfs $\pm 6.0\%$

Legend

● Point of Diversion

● Rectangular Weir

● Flow Tracker Measurement

→ Andrew Ditch

→ To Obendorff's Property/Sand Gulch Creek

→ Diversion Main Flow Direction

0 500 1,000 2,000 Feet

The USDA FSA Aerial Photography Field office asks to be credited in derived products.

Discharge Calculations for Rectangular Contracted and Suppressed Weirs

U.S. Department of the Interior, Bureau of Reclamation. (2001). *Third Edition, Water Measurement Manual* (pp. A-2 through A-8). Denver: U.S. Government Printing Office.

WR Agent: Aaron Skinner
Date: December 18, 2017

Weir Location: Andrew Ditch Beginning

Standard Contracted $Q = 3.33(L - 0.2h_1)h_1^{1.5}$

Width (ft) 5.00

Depth (ft) 2.10

Discharge (cfs) **46.41**

Standard Suppressed $Q = 3.33Lh_1^{1.5}$

Width (ft) 5.00

Depth (ft) 2.10

Discharge (cfs) **50.67**

Discharge Calculations for Rectangular Contracted and Suppressed Weirs

U.S. Department of the Interior, Bureau of Reclamation. (2001). *Third Edition, Water Measurement Manual* (pp. A-2 through A-8). Denver: U.S. Government Printing Office.

WR Agent: Aaron Skinner
Date: December 18, 2017

Weir Location: Flow into Sand Run Gulch Creek

Standard Contracted $Q = 3.33(L - 0.2h_1)h_1^{1.5}$

Width (ft) 3.00

Depth (ft) 0.80

Discharge (cfs) **6.77**

Standard Suppressed $Q = 3.33Lh_1^{1.5}$

Width (ft) 3.00

Depth (ft) 0.80

Discharge (cfs) **7.15**

Discharge Calculations for Rectangular Contracted and Suppressed Weirs

U.S. Department of the Interior, Bureau of Reclamation. (2001). *Third Edition, Water Measurement Manual* (pp. A-2 through A-8). Denver: U.S. Government Printing Office.

WR Agent: Aaron Skinner

Date: December 18, 2017

Weir Location: Andrew Ditch Ending

Standard Contracted $Q = 3.33(L - 0.2h_1)h_1^{1.5}$

Width (ft) 4.00

Depth (ft) 0.80

Discharge (cfs) **9.15**

Standard Suppressed $Q = 3.33Lh_1^{1.5}$

Width (ft) 4.00

Depth (ft) 0.80

Discharge (cfs) **9.53**

Discharge Measurement Summary

Date Generated: Tue Dec 5 2017

File Information

File Name IESTBR.WAD
Start Date and Time 2017/12/05 10:23:45

Site Details

Site Name
Operator(s) AS

System Information

Sensor Type FlowTracker
Serial # P4553
CPU Firmware Version 3.7
Software Ver 2.30
Mounting Correction 0.0%

Units (English Units)

Distance ft
Velocity ft/s
Area ft²
Discharge cfs

Discharge Uncertainty

Category	ISO	Stats
Accuracy	1.0%	1.0%
Depth	0.2%	4.1%
Velocity	1.9%	4.3%
Width	0.2%	0.2%
Method	2.8%	-
# Stations	3.9%	-
Overall	5.2%	6.0%

Summary

Averaging Int.	20	# Stations	13
Start Edge	LEW	Total Width	12.500
Mean SNR	30.3 dB	Total Area	13.803
Mean Temp	42.19 °F	Mean Depth	1.104
Disch. Equation	Mid-Section	Mean Velocity	0.9578
		Total Discharge	13.2210

Measurement Results

St	Clock	Loc	Method	Depth	%Dep	MeasD	Vel	CorrFact	MeanV	Area	Flow	%Q
0	10:23	3.00	None	0.000	0.0	0.0	0.0000	1.00	0.0000	0.000	0.0000	0.0
<i>1</i>	<i>10:23</i>	<i>4.60</i>	<i>0.6</i>	<i>0.800</i>	<i>0.6</i>	<i>0.320</i>	<i>0.3156</i>	<i>1.00</i>	<i>0.3156</i>	<i>1.000</i>	<i>0.3156</i>	<i>2.4</i>
2	10:25	5.50	0.6	0.950	0.6	0.380	0.2756	1.00	0.2756	0.903	0.2487	1.9
3	10:27	6.50	0.6	1.100	0.6	0.440	0.8150	1.00	0.8150	1.100	0.8965	6.8
4	10:29	7.50	0.6	1.100	0.6	0.440	0.9662	1.00	0.9662	1.100	1.0629	8.0
5	10:31	8.50	0.6	1.600	0.6	0.640	1.2621	1.00	1.2621	1.600	2.0195	15.3
6	10:32	9.50	0.6	1.700	0.6	0.680	1.6165	1.00	1.6165	1.700	2.7482	20.8
7	10:35	10.50	0.6	1.750	0.6	0.700	1.4400	1.00	1.4400	1.750	2.5199	19.1
8	10:37	11.50	0.6	1.200	0.6	0.480	1.2917	1.00	1.2917	1.200	1.5502	11.7
9	10:39	12.50	0.6	1.100	0.6	0.440	0.8425	1.00	0.8425	1.100	0.9268	7.0
<i>10</i>	<i>10:43</i>	<i>13.50</i>	<i>0.6</i>	<i>1.350</i>	<i>0.6</i>	<i>0.540</i>	<i>0.5928</i>	<i>1.00</i>	<i>0.5928</i>	<i>1.350</i>	<i>0.8004</i>	<i>6.1</i>
11	10:45	14.50	0.6	1.000	0.6	0.400	0.1322	1.00	0.1322	1.000	0.1322	1.0
12	10:45	15.50	None	0.000	0.0	0.0	0.0000	1.00	0.0000	0.000	0.0000	0.0

Rows in italics indicate a QC warning. See the Quality Control page of this report for more information.

Discharge Measurement Summary

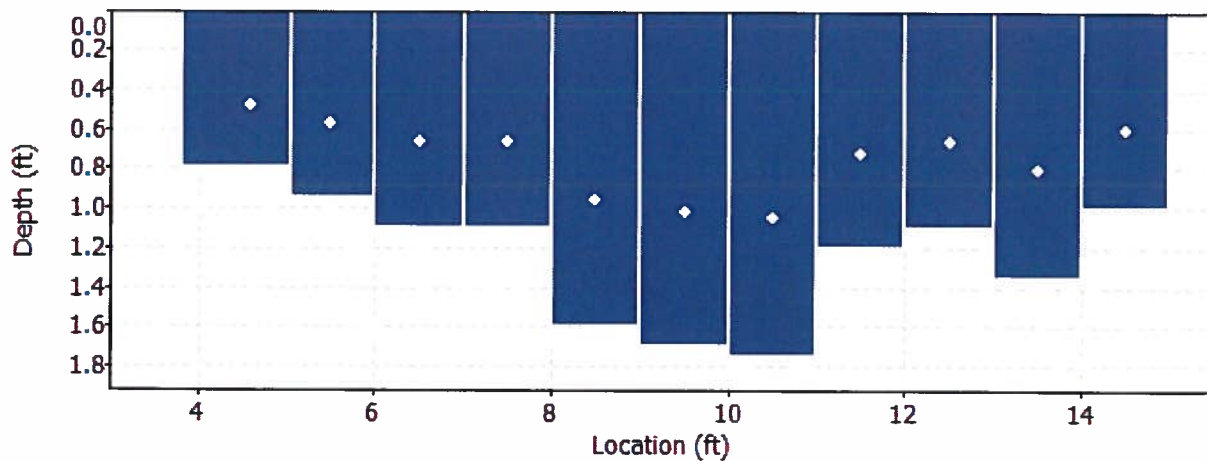
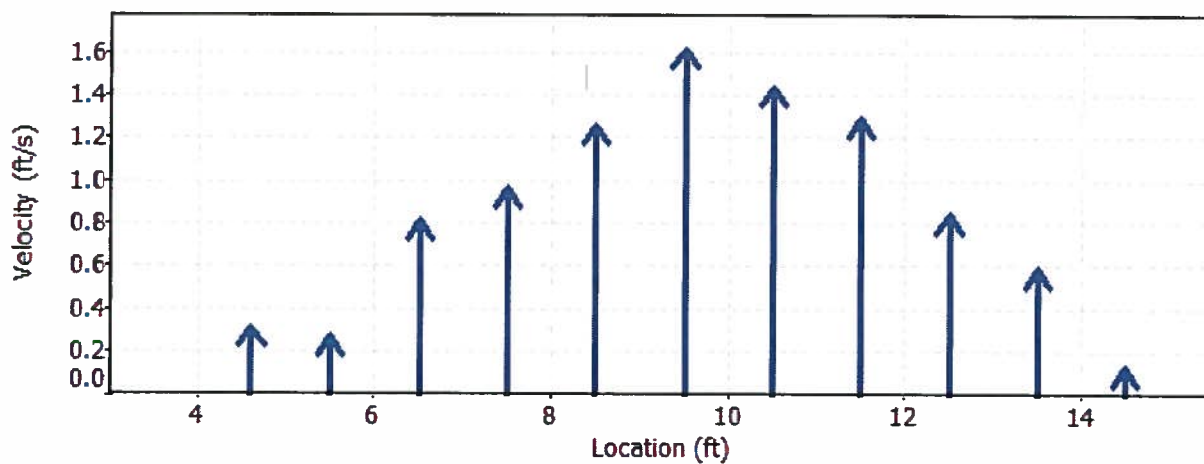
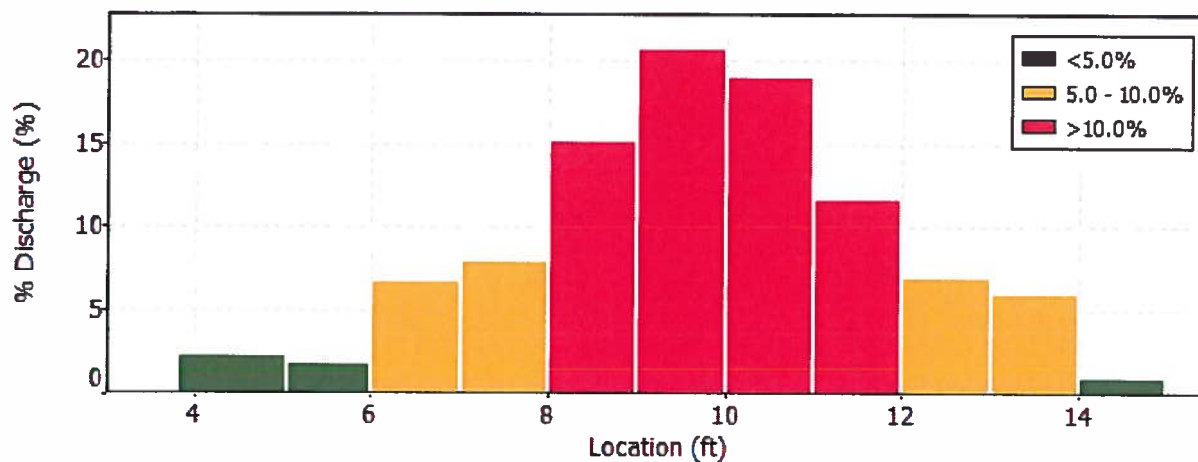
Date Generated: Tue Dec 5 2017

File Information

File Name IESTBR.WAD
Start Date and Time 2017/12/05 10:23:45

Site Details

Site Name
Operator(s) AS



Discharge Measurement Summary

Date Generated: Tue Dec 5 2017

File Information

File Name IESTBR.WAD
Start Date and Time 2017/12/05 10:23:45

Site Details

Site Name
Operator(s) AS

Quality Control

St	Loc	%Dep	Message
1	4.60	0.6	High angle: -23
		0.6	Boundary QC is Fair; possible boundary interference
10	13.50	0.6	High angle: 21
		0.6	High standard error: 0.095

Discharge Measurement Summary

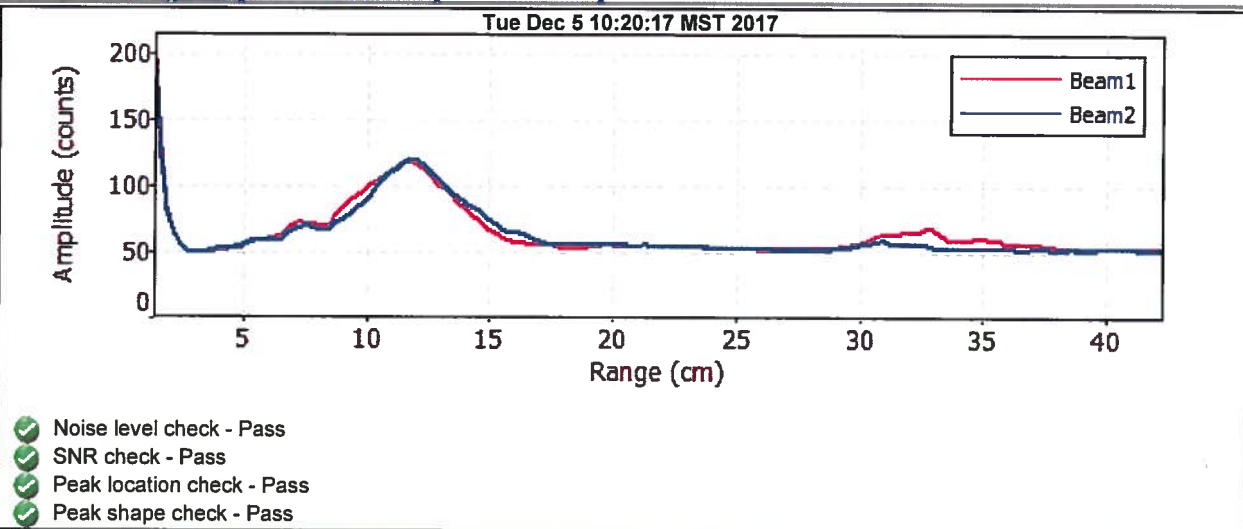
Date Generated: Tue Dec 5 2017

File Information

File Name IESTBR.WAD
Start Date and Time 2017/12/05 10:23:45

Site Details

Site Name
Operator(s) AS

Automatic Quality Control Test (BeamCheck)

Process	BaseSequence	Drift	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NWWSW	SWWSW	SEWSW	NESSE	NWSESE	SWSESE	Totals
Water Right 63-10867	N	HOFSTETTER, DAM L, OBERDORF, ANN, OBERDORF, GREG	SAND RUN GULCH CREEK	WILDLIFE												
Water Right 63-10867	N	HOFSTETTER, DAM L, OBERDORF, ANN, OBERDORF, GREG	UNNAMED DITCH	WILDLIFE												
Water Right 63-10867	N	HOFSTETTER, DAM L, OBERDORF, ANN, OBERDORF, GREG	UNNAMED STREAM	WILDLIFE												
Water Right 63-11617	Y	BID LLC, IEST, TINA, THE TINA IEST FAMILY LLP	BOSE RIVER	WILDLIFE												
Water Right 63-127C	N	MOFFATT THOMAS BARRETT ROCK & FIELDS, TREE TOP RANCHES LP	BOSE RIVER	IRRIGATION												
Water Right 63-127D	N	HOFSTETTER, DAM L, OBERDORF, ANN, OBERDORF, GREG	BOSE RIVER	IRRIGATION												
Water Right 63-128C	N	TREE TOP RANCHES LP	BOSE RIVER	IRRIGATION												
Water Right 63-128D	N	HOFSTETTER, DAM L, OBERDORF, ANN, OBERDORF, GREG	BOSE RIVER	IRRIGATION												
Water Right 63-129C	N	CAMPBELL, SCOTT L, TREE TOP RANCHES LP	BOSE RIVER	IRRIGATION												
Water Right 63-130C	N	CAMPBELL, SCOTT L, TREE TOP RANCHES LP	BOSE RIVER	IRRIGATION												
Water Right 63-130D	N	CAMPBELL, SCOTT L, TREE TOP RANCHES LP	BOSE RIVER	IRRIGATION												
Water Right 63-131C	N	HOFSTETTER, DAM L, OBERDORF, ANN, OBERDORF, GREG	BOSE RIVER	IRRIGATION												
Water Right 63-131D	N	CAMPBELL, SCOTT L, TREE TOP RANCHES LP	BOSE RIVER	IRRIGATION												
Water Right 63-136C	N	HOFSTETTER, DAM L, OBERDORF, ANN, OBERDORF, GREG	BOSE RIVER	IRRIGATION												
Water Right 63-155C	N	FARMERS COOPERATIVE DITCH CO, HONISINGER, CHARLES L	BOSE RIVER	IRRIGATION												
Water Right 63-157B	N	DALM INDUSTRIES INC	GROUND WATER	DOMESTIC												
Water Right 63-178C	N	CAMPBELL, SCOTT L, TREE TOP RANCHES LP	BOSE RIVER	IRRIGATION												
Water Right 63-178D	N	BID LLC, IEST, TINA, THE TINA IEST FAMILY LLP	BOSE RIVER	IRRIGATION												
Water Right 63-178E	N	HOFSTETTER, DAM L, OBERDORF, ANN, OBERDORF, GREG	BOSE RIVER	IRRIGATION												
Water Right 63-188	N	FARMERS COOPERATIVE DITCH CO, HONISINGER, CHARLES L	BOSE RIVER	IRRIGATION												
Water Right 63-189	N	FARMERS COOPERATIVE DITCH CO, HONISINGER, CHARLES L	BOSE RIVER	IRRIGATION												
Water Right 63-190	N	FARMERS COOPERATIVE DITCH CO, HONISINGER, CHARLES L	BOSE RIVER	IRRIGATION												
Water Right 63-191	N	FARMERS COOPERATIVE DITCH CO, HONISINGER, CHARLES L	BOSE RIVER	IRRIGATION												
Water Right 63-21150	N	BID LLC, IEST, TINA	GROUND WATER	DOMESTIC												
Water Right 63-21150	N	BID LLC, IEST, TINA	GROUND WATER	STOCKWATER												
Water Right 63-21550	N	CAMPBELL, SCOTT L, KRAMER, EDWINA, KRAMER, JERRY, TREE TOP RANCHES LP, WILLIAMS, LARRY	SAND HOLLOW CREEK	IRRIGATION												
Water Right 63-2168B	N	AAA EQUITABLE LIFE INSURANCE COMPANY, OBERDORF, ANN, OBERDORF, GREG	GROUND WATER	DOMESTIC												
Water Right 63-2168B	N	AAA EQUITABLE LIFE INSURANCE COMPANY, OBERDORF, ANN, OBERDORF, GREG	GROUND WATER	DOMESTIC												
Water Right 63-28034	N	ETCHESON, GEORGE ANN, ETCHESON, LONNIE R	SPRINGS	DOMESTIC												
Water Right 63-28035	N	ETCHESON, GEORGE ANN, ETCHESON, LONNIE R	GROUND WATER	STOCKWATER												
Water Right 63-28035	N	ETCHESON, GEORGE ANN, ETCHESON, LONNIE R	GROUND WATER	STOCKWATER												
Water Right 63-28258	N	MC DANIEL, JULIE, MC DANIEL, KENNETH E, THE CHRISTIE J FLENNIKEN 2003 REVOCABLE TRUST	GROUND WATER	DOMESTIC												
Water Right 63-28258	N	MC DANIEL, JULIE, MC DANIEL, KENNETH E, THE CHRISTIE J FLENNIKEN 2003 REVOCABLE TRUST	GROUND WATER	STOCKWATER												
Water Right 63-28258	N	FARMERS COOPERATIVE DITCH CO, HONISINGER, CHARLES L	BOSE RIVER	IRRIGATION												
Water Right 63-3067	Y	AAA EQUITABLE LIFE INSURANCE COMPANY, HOFSTETTER LAW OFFICE; OBERDORF, ANN; OBERDORF PONDS	WILDLIFE	WILDLIFE												
Water Right 63-3067	Y	AAA EQUITABLE LIFE INSURANCE COMPANY, HOFSTETTER LAW OFFICE; OBERDORF, ANN; OBERDORF PONDS	WILDLIFE	WILDLIFE												
Water Right 63-3067	Y	AAA EQUITABLE LIFE INSURANCE COMPANY, HOFSTETTER LAW OFFICE; OBERDORF, ANN; OBERDORF SAND RUN GULCH CREEK	WILDLIFE	WILDLIFE												
Water Right 63-3067	Y	AAA EQUITABLE LIFE INSURANCE COMPANY, HOFSTETTER LAW OFFICE; OBERDORF, ANN; OBERDORF SAND RUN GULCH CREEK	WILDLIFE STORAGE	WILDLIFE STORAGE												
Water Right 63-3497	N	HOFSTETTER, DAMA L, OBERDORF, ANN, OBERDORF, GREG	BOSE RIVER	IRRIGATION												
Water Right 63-3498	N	BID LLC, HOFSTETTER, DAMA L, THE TINA IEST FAMILY LLP	BOSE RIVER	IRRIGATION												
Water Right 63-3511	N	OBERDORF, ANN, OBERDORF, GREG	BOSE RIVER	IRRIGATION												
Water Right 63-3511	N	OBERDORF, ANN, OBERDORF, GREG	SAND HOLLOW CREEK	IRRIGATION												
Water Right 63-3570	N	OBERDORF, ANN, OBERDORF, GREG	UNNAMED DITCH	IRRIGATION												
Water Right 63-3570	N	OBERDORF, ANN, OBERDORF, GREG	UNNAMED STREAM	IRRIGATION												
Water Right 63-3571	N	OBERDORF, ANN, OBERDORF, GREG	SAND HOLLOW CREEK	IRRIGATION												
Water Right 63-3571	N	OBERDORF, ANN, OBERDORF, GREG	UNNAMED DITCH	IRRIGATION												
Water Right 63-3571	N	OBERDORF, ANN, OBERDORF, GREG	UNNAMED STREAM	IRRIGATION												
Water Right 63-3571	N	OBERDORF, ANN, OBERDORF, GREG	BOSE RIVER	IRRIGATION												
Water Right 63-3590	N	TREE TOP RANCHES LP	BOSE RIVER	IRRIGATION												
Water Right 63-4651	N	FARMERS COOPERATIVE DITCH CO, HONISINGER, CHARLES L	SAND HOLLOW DRAIN	IRRIGATION												
Water Right 63-4651	N	FARMERS COOPERATIVE DITCH CO, HONISINGER, CHARLES L	CONWAY DRAIN	IRRIGATION												
Water Right 63-4776	N	MC DANIEL, DALE; MC DANIEL, JULIE; MC DANIEL, KENNETH E, THE CHRISTIE J FLENNIKEN 2003 REV UNNAMED STREAM	CONWAY DRAIN	IRRIGATION												

Overlap; no combine use limit necessary for a flow through use

Overlap, but IRRIGATION has different season of use; no limits recommended

Overlap, but different use and source

No overlap

Process		Basin/Sequence	Draft	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SESW	NWSW	SWSW	SESW	NESW	SESE	SWSE	SESE	Total/Acre
Water Right	63-1131	Y	BIO LLC, EST. TINA, THE TINA EST FAMILY LLP	E JOHNSON FARMS INC	GROUND WATER		X															X
Water Right	63-127C	N	MOFFATT THOMAS BARRETT ROCK & FIELDS, TREE TOP RANCHES LP		BOISE RIVER																	X
Water Right	63-127D	N	HOFSTETTER, DANAL L, OBERDOORF, ANN, OBERDOORF, GREG		BOISE RIVER																	X
Water Right	63-128C	N	TREE TOP RANCHES LP		BOISE RIVER																	X
Water Right	63-128D	N	HOFSTETTER, DANAL L, OBERDOORF, ANN, OBERDOORF, GREG		BOISE RIVER																	X
Water Right	63-129C	N	CAMPBELL, SCOTT L, TREE TOP RANCHES LP		BOISE RIVER																	X
Water Right	63-129D	N	HOFSTETTER, DANAL L, OBERDOORF, ANN, OBERDOORF, GREG		BOISE RIVER																	X
Water Right	63-130C	N	CAMPBELL, SCOTT L, TREE TOP RANCHES LP		BOISE RIVER																	X
Water Right	63-130D	N	HOFSTETTER, DANAL L, OBERDOORF, ANN, OBERDOORF, GREG		BOISE RIVER																	X
Water Right	63-131C	N	CAMPBELL, SCOTT L, TREE TOP RANCHES LP		BOISE RIVER																	X
Water Right	63-131D	N	HOFSTETTER, DANAL L, OBERDOORF, ANN, OBERDOORF, GREG		BOISE RIVER																	X
Water Right	63-128	N	CAMPBELL, SCOTT L, TREE TOP RANCHES LP		BOISE RIVER																	X
Water Right	63-128C	N	BIO LLC, EST. TINA, THE TINA EST FAMILY LLP		BOISE RIVER																	X
Water Right	63-128D	N	HOFSTETTER, DANAL L, OBERDOORF, ANN, OBERDOORF, GREG		BOISE RIVER																	X
Water Right	63-129C	N	HOFSTETTER, DANAL L, THE DRAKE LLC		BOISE RIVER																	X
Water Right	63-129E	N	BOONE, T W, E JOHNSON FARMS INC, MARSHALL, JOHN M		BOISE RIVER																	X
Water Right	63-129F	N	BOONE, T W, E JOHNSON FARMS INC, MARSHALL, JOHN M		BOISE RIVER																	X
Water Right	63-1286	N	E JOHNSON FARMS INC		GROUND WATER		X															X
Water Right	63-1287	N	E JOHNSON FARMS INC		GROUND WATER																	X
Water Right	63-1294	Y	BIO LLC, EST. TINA, THE TINA EST FAMILY LLP		BOISE RIVER																	X
Water Right	63-1294	N	E JOHNSON FARMS INC		WASTE WATER		X															X
Water Right	63-1295	N	E JOHNSON FARMS INC, SPF WATER ENGINEERING LLC		GROUND WATER			X														X
Water Right	63-13406	N	E JOHNSON FARMS INC, MARSHALL, JOHN M		BOISE RIVER				X													X
Water Right	63-13497	N	HOFSTETTER, DANAL L, OBERDOORF, ANN, OBERDOORF, GREG		BOISE RIVER																	X
Water Right	63-13498	N	BIO LLC, HOFSTETTER, DANAL L, THE TINA EST FAMILY LLP		BOISE RIVER																	X
Water Right	63-13499	N	HOFSTETTER, DANAL L, THE DRAKE LLC		BOISE RIVER																	X
Water Right	63-13511	N	OBERDOORF, ANN, OBERDOORF, GREG		BOISE RIVER																	X
Water Right	63-13511	N	OBERDOORF, ANN, OBERDOORF, GREG		BOISE RIVER																	X
Water Right	63-13570	N	OBERDOORF, ANN, OBERDOORF, GREG		SAND HOLLOW CREEK																	X
Water Right	63-13571	N	OBERDOORF, ANN, OBERDOORF, GREG		SAND HOLLOW CREEK																	X
Water Right	63-13550	N	TREE TOP RANCHES LP		BOISE RIVER																	X
Water Right	63-13585	N	JOHNSON, E, G, JOHNSON, NANCY, MC CLURRY, JOHN R		BOISE RIVER																	X

Overlapping right that uses Andrew Ditch as conveyance

Right used as mitigation, therefore no diversion

Overlap Analysis for Permit No. 63-11617 POU

	Process	Basin/sequence	Draft	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SESW	NWSW	SWSW	SESW	NESW	SESE	SWSE	SESE	Total/acre
Water Right	63-1131	N	E JOHNSON FARMS INC	GROUND WATER	STOCKWATER	X	X															
Water Right	63-11617	Y	BIO LLC, EST. TINA, THE TINA EST FAMILY LLP	BOISE RIVER	WINDUFE																	
Water Right	63-128C	N	FARMERS COOPERATIVE DITCH CO, HONKINER, CHARLES L, OBERDOORF, ANN, OBERDOORF, GREG	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-127A	N	BIO LLC, HOFSTETTER, DANAL L, MAMMON, JOHN, RANDALL, H L, THE TINA EST FAMILY LLP	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-127B	N	BOONE, T W, E JOHNSON FARMS INC, MARSHALL, JOHN M	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-128	N	FARMERS COOPERATIVE DITCH CO, HONKINER, CHARLES L	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-128C	N	FARMERS COOPERATIVE DITCH CO, HONKINER, CHARLES L	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-128D	N	FARMERS COOPERATIVE DITCH CO, HONKINER, CHARLES L	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-129	N	FARMERS COOPERATIVE DITCH CO, HONKINER, CHARLES L	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-130	N	FARMERS COOPERATIVE DITCH CO, HONKINER, CHARLES L	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-131	N	FARMERS COOPERATIVE DITCH CO, HONKINER, CHARLES L	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-132	N	MAK, HELEN J, ROCHE, JAMAR, RODGERS, CA	SAND HOLLOW CREEK	IRRIGATION	X																
Water Right	63-13242	N	E JOHNSON FARMS INC	GROUND WATER	DOMESTIC																	
Water Right	63-13286	N	E JOHNSON FARMS INC	GROUND WATER	DOMESTIC																	
Water Right	63-13287	N	E JOHNSON FARMS INC	GROUND WATER	DOMESTIC																	
Water Right	63-13288	N	E JOHNSON FARMS INC	GROUND WATER	DOMESTIC																	
Water Right	63-13289	N	GOTTSCH RANCH INC, GOTTSCH, CARL	TUCKER DRAIN	IRRIGATION	X	X															
Water Right	63-13294	N	E JOHNSON FARMS INC	WASTE WATER	IRRIGATION	X	X															
Water Right	63-13295	N	E JOHNSON FARMS INC, SPF WATER ENGINEERING LLC	GROUND WATER	STOCKWATER	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC, MARSHALL, JOHN M	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	JOHNSON, E, G, JOHNSON, NANCY, MC CURRY, JOHN R	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															
Water Right	63-13406	N	E JOHNSON FARMS INC	BOISE RIVER	IRRIGATION	X	X															

Overlap Analysis for Permit No. 63-11617 POD

Process	Basin/Sequence	Draft	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NWNV	SWNV	SENV	NESW	NWSW	SSSW	SESW	NWSE	NWSE	SWSE	SESE	Total/Acres
Water Right	63-11617	Y	BID LLC, EST, TINA, THE TINA EST FAMILY LLP	BOISE RIVER						X											
Water Right	63-11618	Y	HOFSTETTER LAW OFFICE, EST, TINA, THE TINA EST FAMILY LLP	BOISE SLOUGH																	
Water Right	63-174	N	BID LLC, HOFSTETTER, DANA L, MAMMON, JOHN, THE TINA EST FAMILY LLP	BOISE RIVER						X											
Water Right	63-175	N	BID LLC, HOFSTETTER, DANA L, MAMMON, JOHN, RANDALL, H L, THE TINA EST FAMILY LLP	BOISE RIVER																	
Water Right	63-20804	N	GOFF, DORIS L, GOFF, THOMAS H	GROUND WATER																	
Water Right	63-21611	N	CITY OF BOISE, CULP, MENLE H, GOODNER, L DEAN, GOODNER, REBECCA LYNN	DIXIE SLOUGH																	
Water Right	63-21644	N	GILASPY, EUGENE M, GILASPY, MARJORIE A	GROUND WATER																	
Water Right	63-21696	N	GARRIGUS, CLARRISSA, GARRIGUS, SCOTT, GLENN, CANOL L, GLENN, R JERRELL, JOHN E HOFFERD FAMILY TRUST	GROUND WATER																	
Water Right	63-23219	N	BROWN, BLANCHE E	GROUND WATER																	
Water Right	63-23609	N	MILLER, LAWRENCE W, MILLER, MARGARET	GROUND WATER																	
Water Right	63-23743	N	MC CURN, EMMALETT E, MC CURN, MARY H	GROUND WATER																	
Water Right	63-27225	N	HUCKLEDT, BILLIE, HUCKLEDT, EDWIN	GROUND WATER																	
Water Right	63-28187	N	DELANEY, DEBBIE, ELSBERN, JOHN, ELSBERN, SANDRA, TIDWELL, TERRY	GROUND WATER																	
Water Right	63-32838	N	ACHILES, EUGENE W, CATOZZI, SHEILA, ECKS, JOHN W, GLENN, CANOL L, GLENN, R JERRELL, HATHAWAY, WARREN D, JOHN E, UNNAMED STREAM	GROUND WATER																	
Water Right	63-32839	N	ACHILES, EUGENE W, CATOZZI, SHEILA, ECKS, JOHN W, GLENN, CANOL L, GLENN, R JERRELL, JOHN E HOFFERD FAMILY WASTE WATER	GROUND WATER																	
Water Right	63-32840	N	BRODBAUGH, GENE, GARRIGUS, CLARRISSA, GARRIGUS, SCOTT, GLENN, CANOL L, GLENN, R JERRELL, JOHN E HOFFERD FAMILY WASTE WATER	GROUND WATER																	
Water Right	63-33179	N	CITY OF BOISE, GOODNER, L DEAN, GOODNER, REBECCA LYNN	DIXIE SLOUGH																	
Water Right	63-34449	N	BID LLC, HOFSTETTER, DANA L, THE TINA EST FAMILY LLP	DIXIE SLOUGH																	
Water Right	63-34457	N	ACHILES, EUGENE W, CATOZZI, SHEILA, ECKS, JOHN W, FLYING E RANCH LLC, GLENN, CANOL L, GLENN, R JERRELL, HATHAWAY UNNAMED STREAM	DIXIE SLOUGH																	
Water Right	63-4594	N	DELANEY, DEBBIE, ELSBERN, JOHN, ELSBERN, SANDRA, MC CURN, EMMALETT E, TIDWELL, TERRY	DIXIE SLOUGH																	
Water Right	63-5179	N	ESTATE OF TINA EST, HOFSTETTER, DANA L, EST, TINA, THE TINA EST FAMILY LLP	DIXIE SLOUGH																	
Water Right	63-5181	N	BID LLC, ESTATE OF TINA EST, EST, TINA, THE TINA EST FAMILY LLP	BOISE RIVER																	

- Overlapping right that uses Unnamed Ditch as conveyance
- Right used as mitigation, therefore no diversion
- Irrigation right with different season of use
- Both irrigation right with different season of use and mitigation
- No overlap

MEMORANDUM

TO: Water Right File – 63-11617
FROM: Aaron Skinner – Water Resource Agent
DATE: March 21, 2018
SUBJECT: Beneficial Use Examination Fee Request

When the Proof of Beneficial Use form was submitted for Permit No. 63-11617 in 1993, only 2.0 cfs was identified as developed and the associated examination fee of \$125 paid. In order for the department to authorize the higher permitted diversion rate 3.0 cfs, an email was sent to Doug Bates (BID, LLC) explaining the necessary charge of \$50 per as outlined in IDAPA 37.03.02.050.01c. Payment was received on March 21, 2018 per receipt no. W046162. As such, the licensing rate will be adjusted from 2.0 cfs to 3.0 cfs matching development.

Skinner, Aaron

From: Skinner, Aaron
Sent: Wednesday, March 21, 2018 11:00 AM
To: Doug Bates
Cc: Terry Scanlan
Subject: Permit No. 63-11617 - Beneficial Use Fee
Attachments: 63-11617 Proof of Beneficial Use.pdf

Doug,

When the Proof of Beneficial Use form was submitted for Permit No. 63-11617 in 1993, only 2.0 cfs was identified as developed and the associated examination fee of \$125 paid. In order for the department to authorize the higher permitted diversion rate 3.0 cfs, we will need you to pay \$50. This process is outlined in the "Beneficial Use Examination Rules" – IDAPA 37.03.02.050.01c. Detailed as the \$25 license examination fee difference for 3.0 cfs instead of 2.0 cfs and a \$25 late fee. I've attached a copy of the Proof of Beneficial Use form submitted by Greg Obendorf/Tina lest for your convenience. If payment is not received by 4/23/2018, the license will be limited by the original examination fee paid (2.0 cfs). Please let me know if you have any questions about this process. I appreciate your understanding and responsive reply.

Regards,

Aaron Skinner
Idaho Department of Water Resources
Water Resource Agent
(208) 334-2190
aaron.skinner@idwr.idaho.gov

Idaho Department of Water Resources Receipt

Receipt ID: W046162

Payment Amount \$50.00 Date Received 3/21/2018 4:05 PM Region WESTERN
Payment Type Check Check Number 1032
Payer THEPINTAIL RANCH LLC
Comments PROOF OF BENEFICIAL USE FOR PERMIT NO. 63-11617

Fee Details

Amount	Description	PCA	Fund	Fund Detail	Subsidiary	Object
\$50.00	BENEFICIAL USE	62104	0229	21		1155



Signature Line (Department Representative)

MEMORANDUM

TO: Water Right File – 63-32066 and 63-11617
FROM: Aaron Skinner – Water Resource Agent
DATE: December 19, 2017
SUBJECT: Andrew Ditch Weir

A field exam for WR Nos. 63-32066 and 63-11617 was completed on November 28, 2017. Andrew Ditch is a conveyance for both these rights and historically has used a sharp crested suppressed rectangular weir formula to verify discharge. The Andrew Ditch Beginning weir calculation was within 10% of the Flow Tracker discharge measurement satisfying potential measurement requirements. **When requested in the future, this weir should be modified to meet department standards.**

Currently, there are no measuring requirements for permit 63-32066 or 63-11617. This measuring device is critical because it is located before any diversion. The weir does not operate as a sharp crested rectangular weir. It possesses a few characteristics of a weir and/or flume, but isn't technically either as they are generally defined. The weir has a suppressed concrete approach, but then includes a 2" X 10" bulkhead to theoretically create a nappe. The bulkhead is completely submerged and no crest is established.

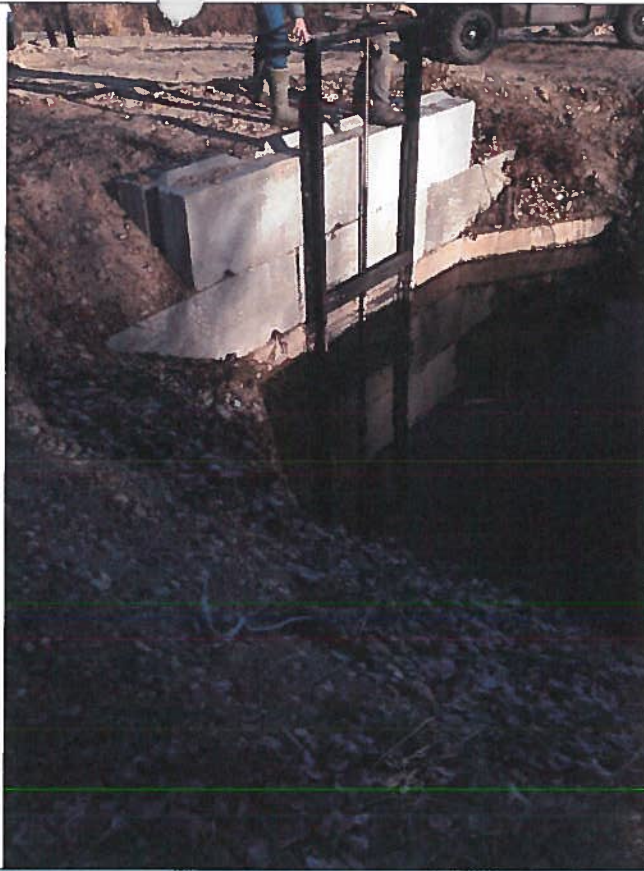
Please reference the field exam backfile for WR Nos. 63-32066 and 63-11617 that outline calculations made for the stage and relative discharge at the time of the field exam.



Point of Diversion
off the Boise
River.



Control gate just
off the Boise
River POD.
Picture was taken
on June 1, 2017.



Same control gate
off the Boise
River POD.
Picture was taken
on November 28,
2017.



Setting up the
cross section for
the flow tracker
measurement.
Location is about
100' downstream
of the control gate.
Measured
discharge was
13.22 cfs.



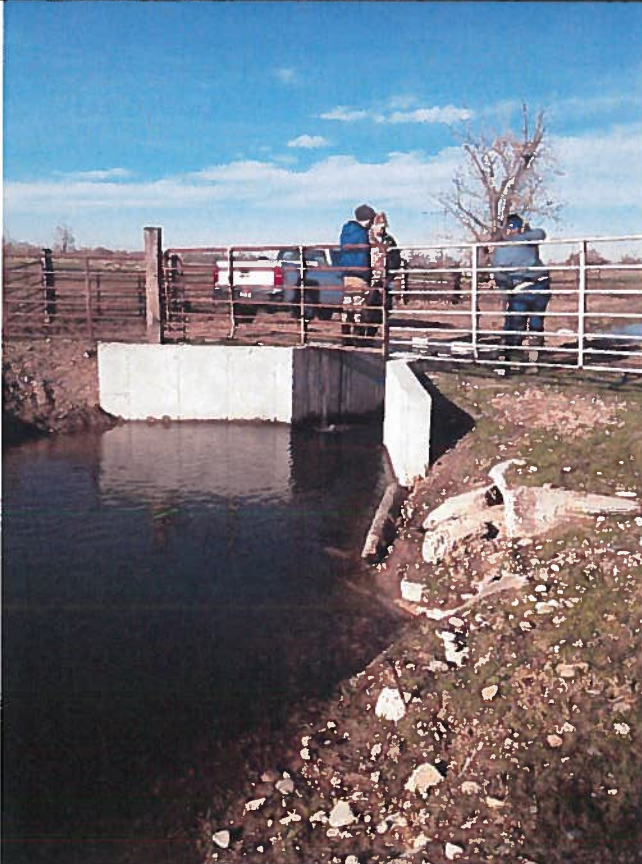
Point of Diversion
from the Boise
River.



6' concrete arch
diverting water
into Andrew
Ditch.



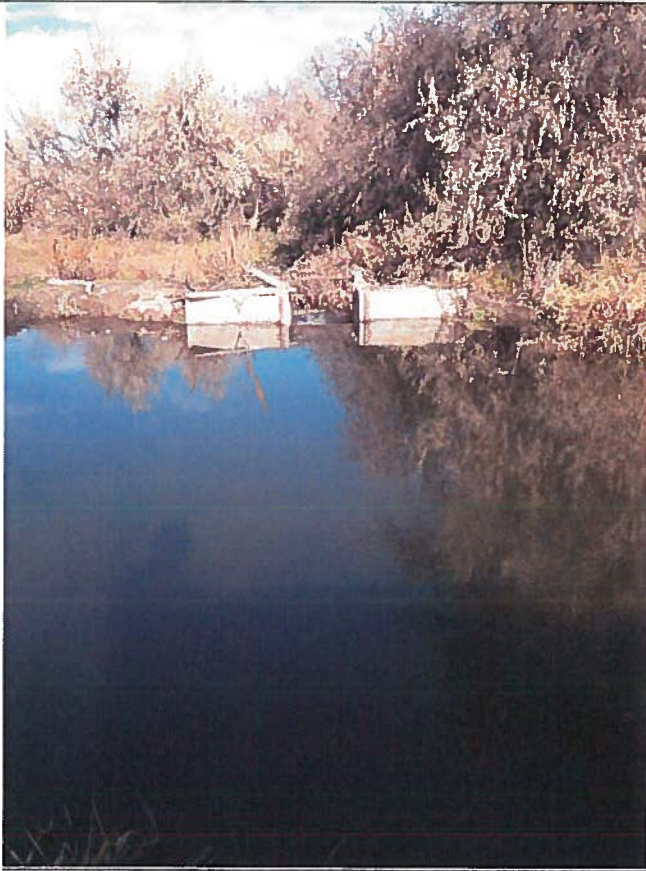
Cross Section of
Andrew Ditch.
Measured rate was
48.27 cfs.



Suppressed
rectangular weir
with bulkheads
used as a
measuring device
along Andrew
Ditch. This weir is
located at ~
43°44'15.31" N
116°52'54.14" W.



Staff plate mounted to the side of the concrete weir. Average reading was 2.1' and the width was 5'. This produces a discharge of 50.67 cfs.



Sand Run Gulch Creek diversion located at ~43°44'47.90" N 116°53'30.44" W.



Calculated as a compressed rectangular weir producing a discharge of 6.77 cfs. 3' width X 0.8' depth.



Main diversion point off Andrew Ditch to the north end acreage.



Andrew Ditch End
Weir located at ~
43°44'44.94" N
116°53'37.08" W.



Calculated as a
compressed
rectangular weir
producing a
discharge of 9.15
cfs. 4' width X
0.8' depth.