

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-32066
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: 63-11617
2. Other water rights with the same point-of-diversion: 63-11617, 63-32467

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

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	X	X	X		X	X		
05N	05W	25						X L 6											
05N	05W	26	X	X L 2	X	X	X			X					X	X			
05N	05W	26	X L 1		X L 2	X L 1				X L 3									
05N	05W	26			X L 8	X L 9													

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:

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.

E. FLOW CALCULATIONS

Measured Method:

 X Additional Computation Sheets Attached

The average velocity of the water 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 – (Contracted Rectangular Weir) 3' wide X 0.8' depth = **6.77 cfs**

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

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 diverted 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 = 20.5 cfs X 94 Days X 1.9835 = **3,822.2 AF**

V_{DR} = [Diversion Rate (cfs)] x (Days season of use) x 1.9835 = 20.5 cfs X 121 Days X 1.9835 = **4,920.1 AF**

V = Smaller of V_R and V_{DR} = **3,822.2 AF or 3,820.0 (department recording standard)**

G. NARRATIVE/REMARKS/COMMENTS

Permit No. 63-32066 authorizes a diversion rate of 20.5 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. A follow-up visit was conducted on 11/28/2017 to get a measurement during the season of use period.

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 project is an expansion of the existing wildlife use developed under Permit No. 63-11617 that was permitted in 1992. 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, Josh 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 is described as L2SESWSE in Section 25. 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.

System Description:

Water is conveyed to the place of use by Andrew Ditch that runs through the middle of the POU boundary. 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 reassured us that water returns via Andrew Ditch, an unnamed ditch (conveyance for WR No. 63-11617), and Sand Run Gulch Creek. 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 20.5 cfs. The total diversion from the river at the point of diversion was measured at approximately 48 cfs as described in Section E of this report. Volume calculations were completed as outlined in Section F of this report. 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. As such, **a rate and volume recommendation for licensing is 20.5 cfs and 3,820.0 AF respectively.**

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 right. 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.**

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. An Assignment of Permit for WR Permit Nos. 63-32066 and 63-11617 were included in the packet documents. As such, draft licenses will be under the BID, LLC name.

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 Nos. 63-11617 and 63-32467 as the only water rights that use the Andrew Ditch diversion during the non-irrigation season. WR No. 63-11617 has two points of diversion off the Boise River. There are 11 other rights that divert water through Andrew Ditch, but as outlined in the attached analysis, the season of use does not overlap and doesn't affect the wildlife diversions. 10 more rights are identified as "mitigation," therefore, do not divert water anymore.

POU overlap analysis identified WR No. 63-11617 as the only overlapping non-irrigation season right. No combined use limit is necessary. The 7 other water rights that overlap with the POU do not have overlapping seasons of use with this permit. All WRs associated to Farmer's Cooperative Ditch Company are part of a large PPU. Therefore, it's inferred no overlap exists in Section 26 L1NENENE 05N05W for irrigation purposes.

Conditions:

Condition 26A was removed for licensing. Condition R05 was updated to the new language used for R05 and forwarded to licensing. Condition 01R, X38 and the condition language about not authorizing the diversion and use of WR no. 63-3618 water were 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

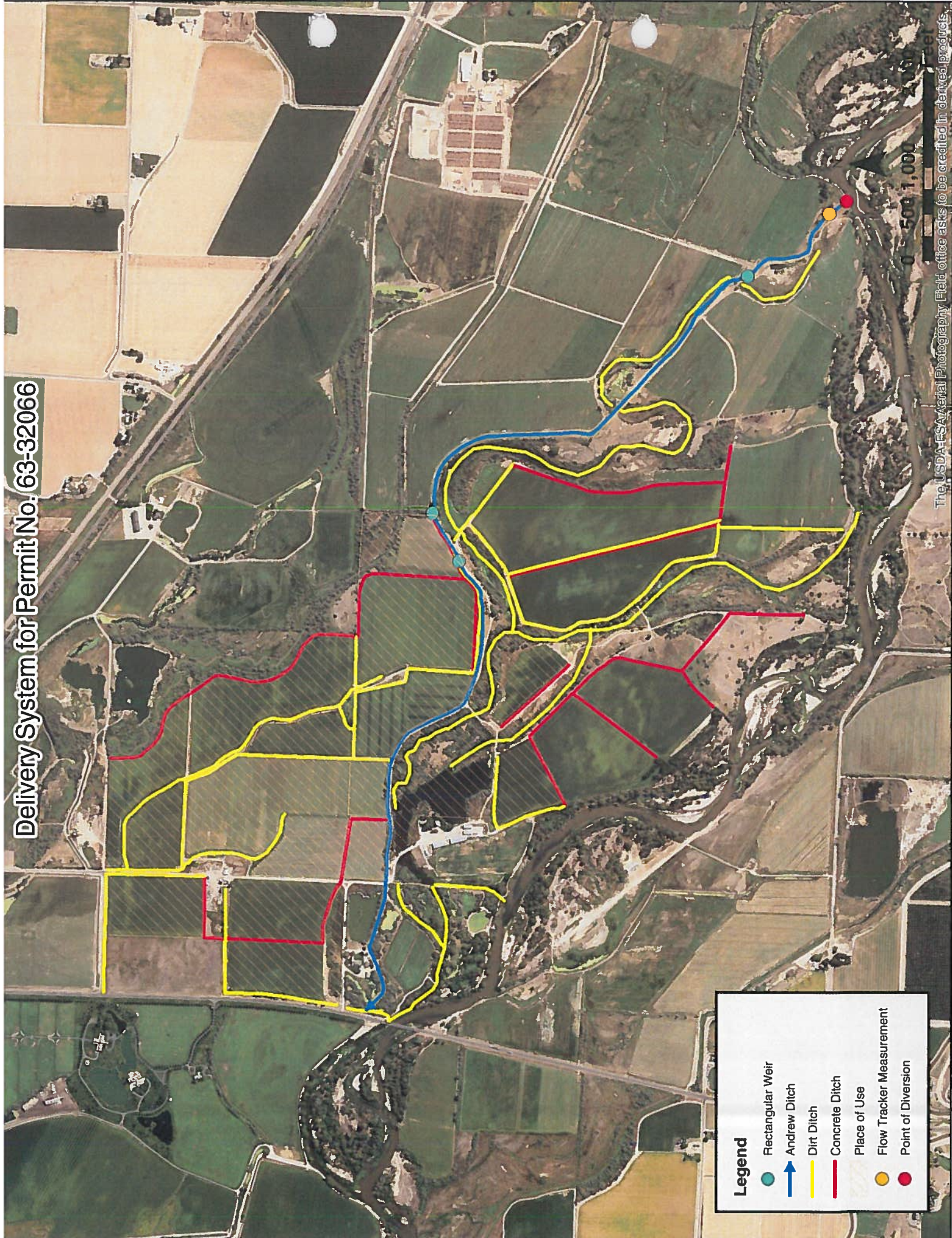
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
WILDLIFE	11/15 to 03/01	20.50 CFS	3,820.0 AF
	<u>Totals:</u>	20.500 CFS	3,820.00 AF

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 3/21/2018



Legend

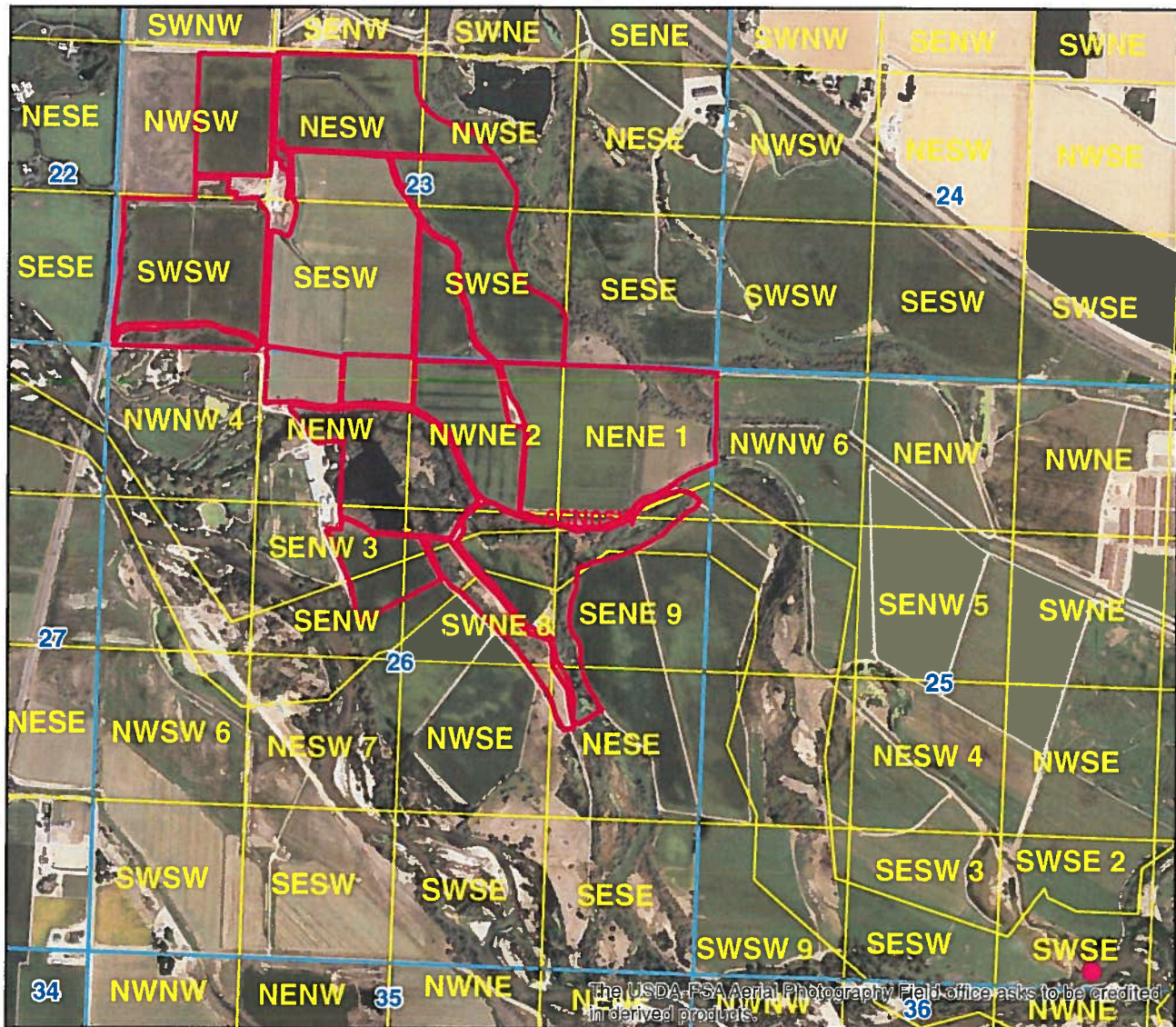
- Rectangular Weir
- Andrew Ditch
- Dirt Ditch
- Concrete Ditch
- Place of Use
- Flow Tracker Measurement
- Point of Diversion

State of Idaho
Department of Water Resources

Place of Use and Point of Diversion

Water Right Permit No. 63-32066

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.



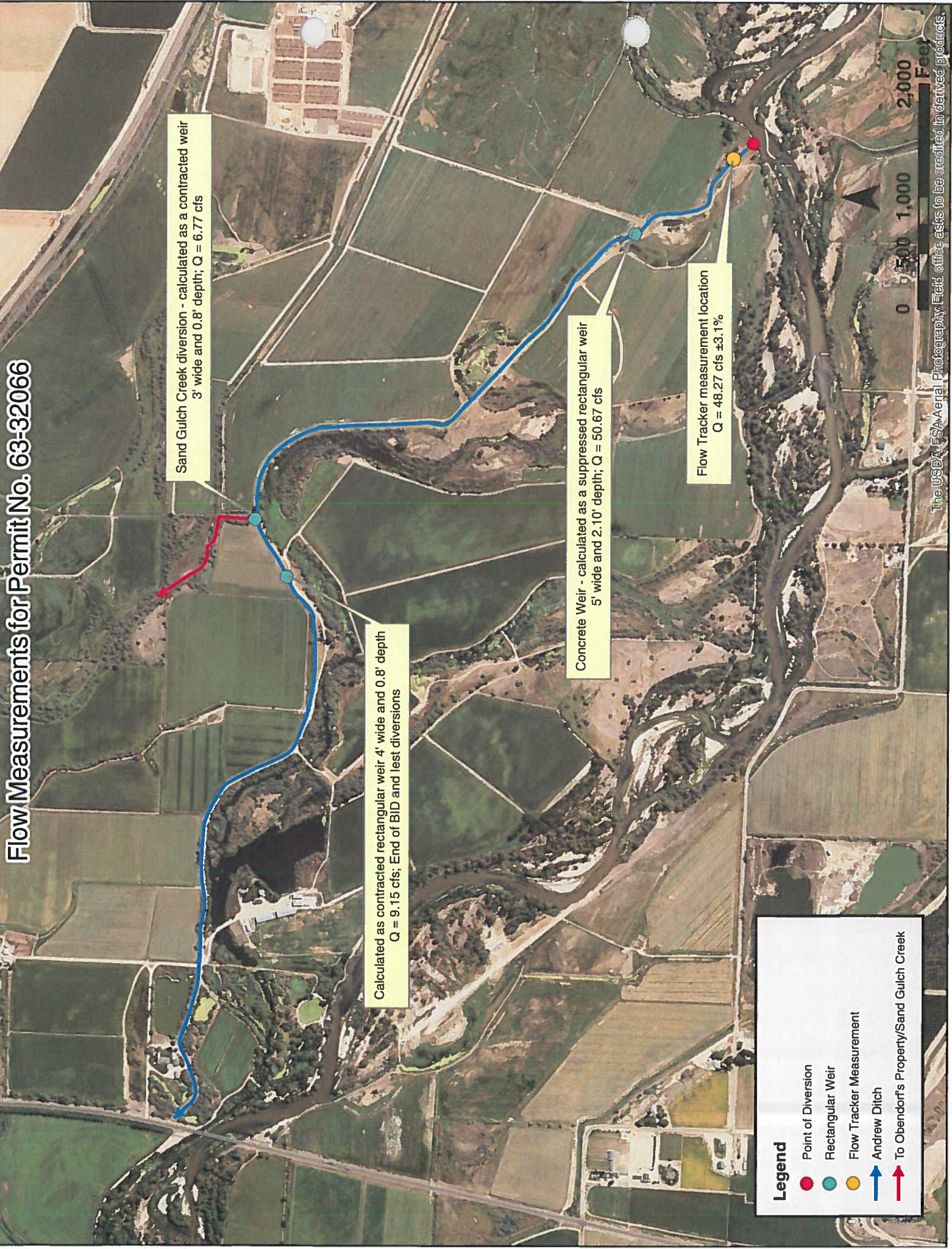
0 0.175 0.35 0.7 Miles

● 63-32066 POD

□ 63-32066 POU



Flow Measurements for Permit No. 63-32066



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: 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 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 Measurement Summary

Date Generated: Fri Dec 1 2017

File Information

File Name AD1.WAD
Start Date and Time 2017/11/28 11:17:54

Site Details

Site Name
Operator(s) AG

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	0.1%	1.3%
Velocity	1.2%	2.7%
Width	0.1%	0.1%
Method	2.0%	-
# Stations	2.3%	-
Overall	3.4%	3.1%

Summary

Averaging Int.	20	# Stations	22
Start Edge	LEW	Total Width	21.000
Mean SNR	39.6 dB	Total Area	32.500
Mean Temp	45.94 °F	Mean Depth	1.548
Disch. Equation	Mid-Section	Mean Velocity	1.4854
		Total Discharge	48.2741

Measurement Results

St	Clock	Loc	Method	Depth	%Dep	MeasD	Vel	CorrFact	MeanV	Area	Flow	%Q
0	11:17	4.00	None	0.000	0.0	0.0	0.0000	1.00	0.0000	0.000	0.0000	0.0
1	11:17	5.00	0.6	1.000	0.6	0.400	0.0033	1.00	0.0033	1.000	0.0033	0.0
2	11:19	6.00	0.6	1.300	0.6	0.520	0.9852	1.00	0.9852	1.300	1.2807	2.7
3	11:20	7.00	0.6	1.400	0.6	0.560	1.0502	1.00	1.0502	1.400	1.4702	3.0
4	11:21	8.00	0.6	1.500	0.6	0.600	1.0837	1.00	1.0837	1.500	1.6255	3.4
5	11:23	9.00	0.6	2.000	0.6	0.800	1.4183	1.00	1.4183	2.000	2.8366	5.9
6	11:24	10.00	0.6	2.400	0.6	0.960	1.6434	1.00	1.6434	2.400	3.9440	8.2
7	11:25	11.00	0.6	2.700	0.6	1.080	1.7740	1.00	1.7740	2.700	4.7899	9.9
8	11:26	12.00	0.6	2.400	0.6	0.960	1.6352	1.00	1.6352	2.400	3.9243	8.1
9	11:29	13.00	0.6	2.200	0.6	0.880	1.7730	1.00	1.7730	2.200	3.9008	8.1
10	11:30	14.00	0.6	1.900	0.6	0.760	2.1270	1.00	2.1270	1.900	4.0411	8.4
11	11:31	15.00	0.6	1.700	0.6	0.680	2.1161	1.00	2.1161	1.700	3.5977	7.5
12	11:35	16.00	0.6	1.800	0.6	0.720	1.6765	1.00	1.6765	1.800	3.0175	6.3
13	11:36	17.00	0.6	1.900	0.6	0.760	1.9839	1.00	1.9839	1.900	3.7693	7.8
14	11:38	18.00	0.6	1.900	0.6	0.760	1.8701	1.00	1.8701	1.900	3.5530	7.4
15	11:39	19.00	0.6	1.600	0.6	0.640	1.8517	1.00	1.8517	1.600	2.9629	6.1
16	11:40	20.00	0.6	1.500	0.6	0.600	1.1207	1.00	1.1207	1.500	1.6811	3.5
17	11:41	21.00	0.6	1.200	0.6	0.480	0.6522	1.00	0.6522	1.200	0.7828	1.6
18	11:42	22.00	0.6	1.000	0.6	0.400	0.6257	1.00	0.6257	1.000	0.6257	1.3
19	11:43	23.00	0.6	0.600	0.6	0.240	0.4954	1.00	0.4954	0.600	0.2973	0.6
20	11:44	24.00	0.6	0.500	0.6	0.200	0.3412	1.00	0.3412	0.500	0.1706	0.4
21	11:44	25.00	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

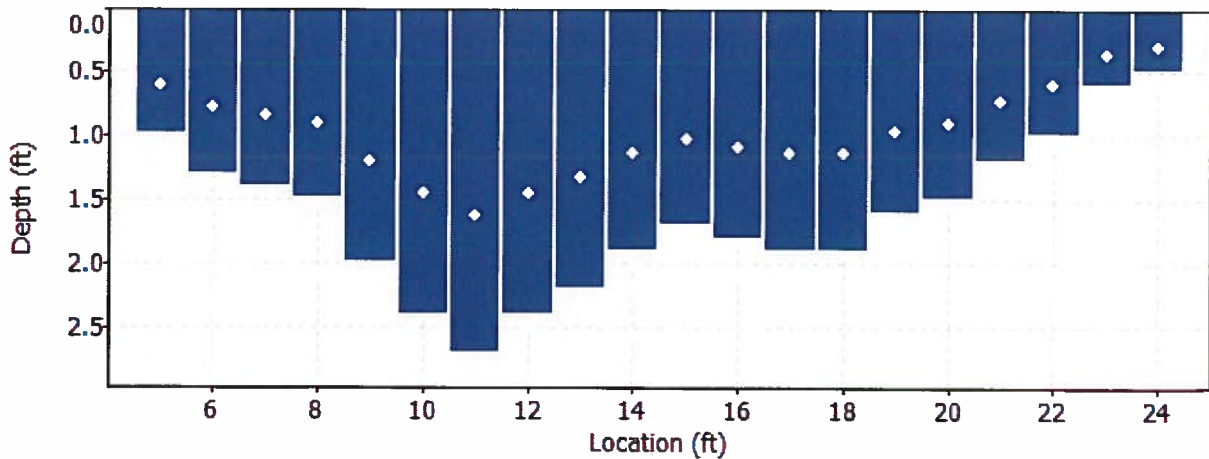
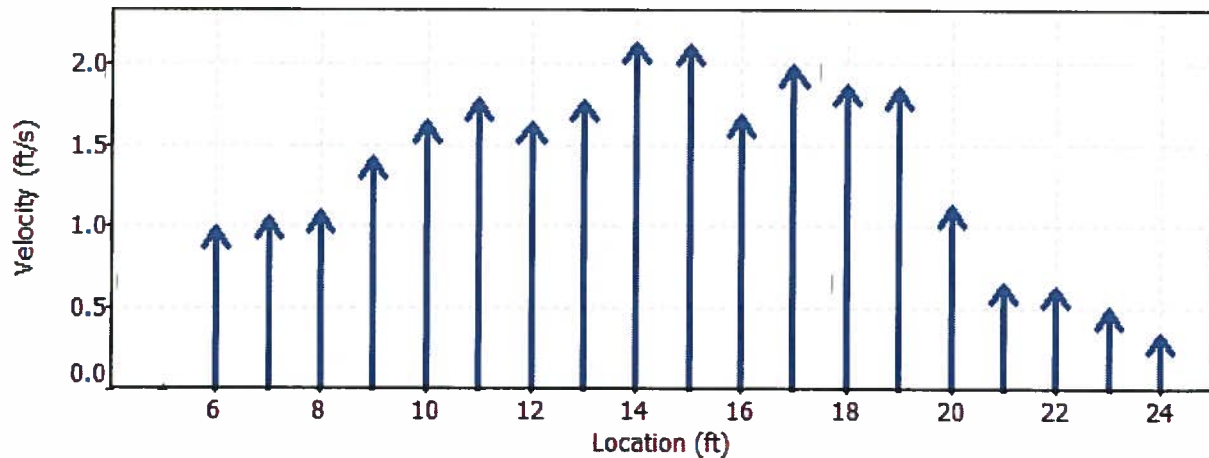
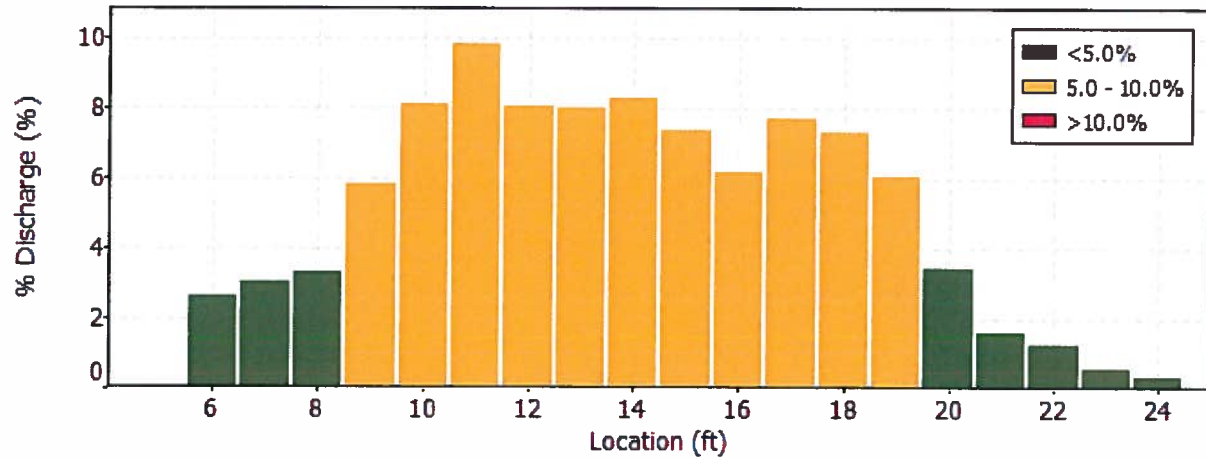
Date Generated: Fri Dec 1 2017

File Information

File Name AD1.WAD
Start Date and Time 2017/11/28 11:17:54

Site Details

Site Name
Operator(s) AG



Discharge Measurement Summary

Date Generated: Fri Dec 1 2017

File Information

File Name AD1.WAD
Start Date and Time 2017/11/28 11:17:54

Site Details

Site Name
Operator(s) AG

Quality Control

St	Loc	%Dep	Message
1	5.00	0.6	High number of spikes: 5
		0.6	SNR (14.1) is different from typical SNR (39.6)
9	13.00	0.6	High standard error: 0.124
12	16.00	0.6	High standard error: 0.110
15	19.00	0.6	High standard error: 0.101

Discharge Measurement Summary

Date Generated: Fri Dec 1 2017

File Information

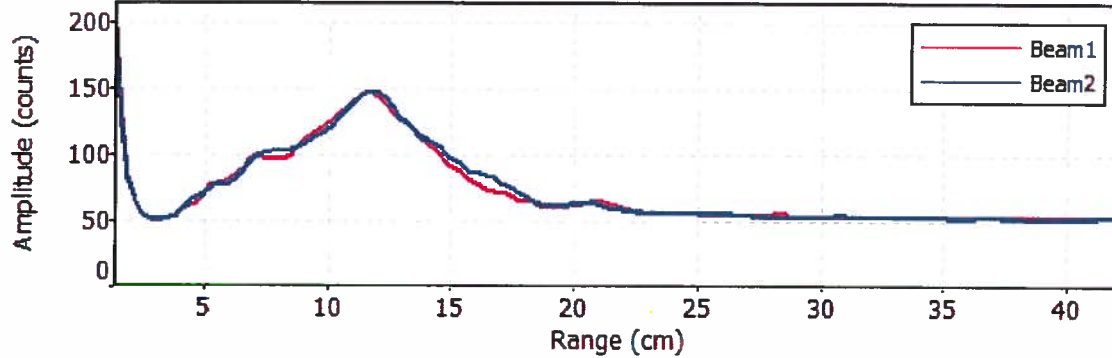
File Name AD1.WAD
Start Date and Time 2017/11/28 11:17:54

Site Details

Site Name
Operator(s) AG

Automatic Quality Control Test (BeamCheck)

Tue Nov 28 11:14:50 MST 2017



- ✓ Noise level check - Pass
- ✓ SNR check - Pass
- ✓ Peak location check - Pass
- ✓ Peak shape check - Pass

Process	Basin/Sequence	Draft	Owner	Source	Use	NENE	NWNE	SENE	NENW	NWNW	SENW	SESW	NWSW	SWSW	SESW	NESW	SESE	Totals/acre
Water Right	63-1131	N	E G JOHNSON FARMS INC	GROUND WATER		X	X											
Water Right	63-127C	N	MOFFATT THOMAS BARRETT ROCK & FELDS, TREE TOP RANCHES LP	BOISE RIVER							X							
Water Right	63-127D	N	TREE TOP RANCHES LP	BOISE RIVER							X							
Water Right	63-128D	N	HORSTETTER, DANNA L, OBERDORF, ANN, OBERDORF, GREG	BOISE RIVER							X							
Water Right	63-129C	N	CAMPBELL, SCOTT L, TREE TOP RANCHES LP	BOISE RIVER							X							
Water Right	63-130C	N	HORSTETTER, DANNA L, OBERDORF, ANN, OBERDORF, GREG	BOISE RIVER							X							
Water Right	63-130D	N	CAMPBELL, SCOTT L, TREE TOP RANCHES LP	BOISE RIVER							X							
Water Right	63-131C	N	CAMPBELL, SCOTT L, TREE TOP RANCHES LP	BOISE RIVER							X							
Water Right	63-131D	N	HORSTETTER, DANNA L, OBERDORF, ANN, OBERDORF, GREG	BOISE RIVER							X							
Water Right	63-178C	N	BID LLC, THE TINA EST FAMILY LLP	BOISE RIVER							X							
Water Right	63-178D	N	HORSTETTER, DANNA L, OBERDORF, ANN, OBERDORF, GREG	BOISE RIVER							X							
Water Right	63-178E	N	BOONE, T W, E G JOHNSON FARMS INC, MARSHALL, JOHN M	BOISE RIVER							X							
Water Right	63-180	N	BOONE, T W, E G JOHNSON FARMS INC, MARSHALL, JOHN M	BOISE RIVER							X							
Water Right	63-181	N	E G JOHNSON FARMS INC	GROUND WATER							X							
Water Right	63-2836	N	E G JOHNSON FARMS INC	GROUND WATER							X							
Water Right	63-3206	N	BID LLC, THE TINA EST FAMILY LLP, TINA EST FAMILY LTD PARTNERSHIP	BOISE RIVER							X							
Water Right	63-3294	N	E G JOHNSON FARMS INC	WASTE WATER		X												
Water Right	63-3325	N	E G JOHNSON FARMS INC, SP5 WATER ENGINEERING LLC	GROUND WATER		X	X											
Water Right	63-3405	N	HORSTETTER, DANNA L, OBERDORF, ANN, OBERDORF, GREG	BOISE RIVER							X							
Water Right	63-3487	N	BID LLC, HORSTETTER, DANNA L, THE TINA EST FAMILY LLP	BOISE RIVER							X							
Water Right	63-3499	N	HORSTETTER, DANNA L, THE TINA EST FAMILY LLP	BOISE RIVER							X							
Water Right	63-3511	N	OBERDORF, ANN, OBERDORF, GREG	BOISE RIVER							X							
Water Right	63-3570	N	OBERDORF, ANN, OBERDORF, GREG	SAND HOLLOW CREEK							X							
Water Right	63-3571	N	OBERDORF, ANN, OBERDORF, GREG	SAND HOLLOW CREEK							X							
Water Right	63-3590	N	TREE TOP RANCHES LP	BOISE RIVER							X							
Water Right	63-3585	N	JOHNSON, E G, JOHNSON, NANCY, MC CURRY, JOHN R	BOISE RIVER							X							

Overlap Analysis for Permit No. 63-32066 POD

Overlapping right that uses Andrew Ditch as conveyance

Right used as mitigation, therefore no direction

Overlap Analysis for Permit No. 63-32066 POU

Process	Basin/Sequence	Draft	Owner	Source	Use	NENE	NWNE	SENE	NENW	NWNW	SENW	SESW	NWSW	SWSW	SESW	NESW	SESE	Totals/acre
Water Right	63-1131	N	E G JOHNSON FARMS INC	GROUND WATER		X	X											
Water Right	63-131C	N	FARMERS COOPERATIVE DITCH CO, HONKINGER, CHARLES L, SRENNBERG COOP, DITCH CO, TUCKER, R M	BOISE RIVER	IRRIGATION	X	X		X	X								
Water Right	63-174	N	BID LLC, HORSTETTER, DANNA L, MAMMON, JOHN, RANDALL, H L, THE TINA EST FAMILY LLP	BOISE RIVER	IRRIGATION	X	X		X	X								
Water Right	63-180	N	BOONE, T W, E G JOHNSON FARMS INC, MARSHALL, JOHN M	BOISE RIVER	IRRIGATION	X	X		X	X								
Water Right	63-181	N	BOONE, T W, E G JOHNSON FARMS INC, MARSHALL, JOHN M	BOISE RIVER	IRRIGATION	X	X		X	X								
Water Right	63-188	N	FARMERS COOPERATIVE DITCH CO, HONKINGER, CHARLES L	BOISE RIVER	IRRIGATION	X	X		X	X								
Water Right	63-189	N	FARMERS COOPERATIVE DITCH CO, HONKINGER, CHARLES L	BOISE RIVER	IRRIGATION	X	X		X	X								
Water Right	63-190	N	FARMERS COOPERATIVE DITCH CO, HONKINGER, CHARLES L	BOISE RIVER	IRRIGATION	X	X		X	X								
Water Right	63-191	N	FARMERS COOPERATIVE DITCH CO, HONKINGER, CHARLES L	BOISE RIVER	IRRIGATION	X	X		X	X								
Water Right	63-2467	N	MACK, HELEN J, ROCHE, DANAH, RODGERS, C A	SAND HOLLOW CREEK	IRRIGATION													
Water Right	63-2486	N	E G JOHNSON FARMS INC	GROUND WATER		X												
Water Right	63-2487	N	E G JOHNSON FARMS INC	GROUND WATER	DOMESTIC													
Water Right	63-296	N	FARMERS COOPERATIVE DITCH CO, HONKINGER, CHARLES L	UNIMAGED DRAIN	IRRIGATION	X	X		23	8.1	4.7							15.5
Water Right	63-3083	N	GOTTSCH RANCH INC, GOTTSCH, CARL	TUCKER DRAIN	IRRIGATION	X	X		X	X								259.4
Water Right	63-3086	N	BID LLC, THE TINA EST FAMILY LLP, TINA EST FAMILY LTD PARTNERSHIP	WASTE WATER	WILDLIFE													1.5
Water Right	63-3294	N	E G JOHNSON FARMS INC	WASTE WATER	IRRIGATION	15												
Water Right	63-3325	N	E G JOHNSON FARMS INC, SP5 WATER ENGINEERING LLC	GROUND WATER	STOCKWATER	16	28	6.3	2.1	24								105.4
Water Right	63-3405	N	E G JOHNSON FARMS INC, MARSHALL, JOHN M	BOISE RIVER	IRRIGATION	X	X		X	X								27.9
Water Right	63-3487	N	JOHNSON, E G, JOHNSON, NANCY, MC CURRY, JOHN R	BOISE RIVER	IRRIGATION	X	X		X	X								27.9
Water Right	63-4056A	N	E G JOHNSON FARMS INC	SAND HOLLOW CREEK	IRRIGATION	16	28	6.3	2.1	24								105.4
Water Right	63-4056B	N	FARMERS COOPERATIVE DITCH CO, HONKINGER, CHARLES L	SAND HOLLOW CREEK	IRRIGATION	X	X		X	X								259.4
Water Right	63-4852	N	FARMERS COOPERATIVE DITCH CO, HONKINGER, CHARLES L	CONWAY DRAIN	IRRIGATION	X	X		X	X								
Water Right	63-5181	N	BID LLC, ESTATE OF TINA EST, EST, TINA, THE TINA EST FAMILY LLP	BOISE RIVER	IRRIGATION	X	X		X	X								30

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	Bid/Sequence	Draft	Owner	Source	Use	NENE	WANE	SWNE	SENE	NENW	WANW	SWNW	SENW	NENE	SWNE	SENE	Totaled
Water Right	63-11618	Y	HOPSTETTER LAW OFFICE; EST., TINA, THE TINA TEST FAMILY LLP	DRIE SLOUGH	WILDLIFE	X	X	X	X					X			
Water Right	63-12057	N	VANDERNEY, AUGUST	GROUND WATER	STOCKWATER					X					X		
Water Right	63-134C	N	FARMERS COOPERATIVE DITCH CO.; HONSMINGER, CHARLES L.; SEBENSING COOP DITCH CO.; TICHER, R.M	BOISE RIVER	IRRIGATION	X											
Water Right	63-174	N	BID LLC, HOPSTETTER, DAMA L, MAMMON, JOHN, THE TINA TEST FAMILY LLP	BOISE RIVER	IRRIGATION	1		22	30					25	38	6	11
Water Right	63-175	N	BID LLC, HOPSTETTER, DAMA L, MAMMON, JOHN, RANDALL, H. L, THE TINA TEST FAMILY LLP	BOISE RIVER	IRRIGATION			22	30					25	38	6	11
Water Right	63-179C	N	BID LLC, EST., TINA, THE TINA TEST FAMILY LLP	BOISE RIVER	IRRIGATION	27		27.6									66.8
Water Right	63-179E	N	HOPSTETTER, DAMA L, THEBMAK, LLC	BOISE RIVER	IRRIGATION					7.5							7.5
Water Right	63-188	N	FARMERS COOPERATIVE DITCH CO.; HONSMINGER, CHARLES L.	BOISE RIVER	IRRIGATION	X											
Water Right	63-189	N	FARMERS COOPERATIVE DITCH CO.; HONSMINGER, CHARLES L.	BOISE RIVER	IRRIGATION	X											
Water Right	63-190	N	FARMERS COOPERATIVE DITCH CO.; HONSMINGER, CHARLES L.	BOISE RIVER	IRRIGATION	X											
Water Right	63-191	N	FARMERS COOPERATIVE DITCH CO.; HONSMINGER, CHARLES L.	BOISE RIVER	IRRIGATION												
Water Right	63-201	N	ESTATE OF TINA TEST; HOPSTETTER, DAMA L, MAMMON, JULIA, RANDALL, H. L, THE TINA TEST FAMILY LLP	BOISE RIVER	IRRIGATION	X											
Water Right	63-211S1	N	EST., TINA	GROUND WATER	DOMESTIC					8							
Water Right	63-211S1	N	UNITED STATES OF AMERICA ACTING THROUGH EST., TINA	GROUND WATER	STOCKWATER							7	32	24	31		
Water Right	63-226	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD	PIPE GULCH DRAW CREEK	IRRIGATION										X		
Water Right	63-227	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD	BOISE RIVER	IRRIGATION										X		
Water Right	63-227S	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD	BOISE RIVER	IRRIGATION										X		
Water Right	63-228	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD	INDIAN CREEK	IRRIGATION										X		
Water Right	63-229	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD	BOISE RIVER	IRRIGATION										X		
Water Right	63-2374	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD	BOISE RIVER	IRRIGATION										X		
Water Right	63-2389	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD	ARENA LAKE DRAIN	IRRIGATION										X		
Water Right	63-266	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD; SPENCER, ANNA	ARENA LAKE DRAIN	IRRIGATION										X		
Water Right	63-267	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD; SPENCER, ANNA	BOISE RIVER	IRRIGATION										X		
Water Right	63-268	N	BARBER, ALBERT P.; BELL, REBECCA; INVERSIDE IRRIGATION DISTRICT LTD	BOISE RIVER	IRRIGATION										X		
Water Right	63-286	N	FARMERS COOPERATIVE DITCH CO.; HONSMINGER, CHARLES L.	BOISE RIVER	IRRIGATION	X									X		
Water Right	63-289	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD	BOISE RIVER	IRRIGATION										X		
Water Right	63-300	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD	BOISE RIVER	IRRIGATION										X		
Water Right	63-3206	Y	BID LLC, THE TINA TEST FAMILY LLP, TINA TEST FAMILY LTD PARTNERSHIP	BOISE RIVER	WILDLIFE	X		X	X		X						
Water Right	63-32579	N	UNITED STATES OF AMERICA ACTING THROUGH	BOISE RIVER	IRRIGATION FROM STORAGE											X	
Water Right	63-33552	N	BARBER ROSHOLT & SIMPSON LLP; INVERSIDE IRRIGATION DISTRICT LTD	EAST ARENA DRAIN	IRRIGATION										X		
Water Right	63-33498	N	BID LLC, HOPSTETTER, DAMA L, THE TINA TEST FAMILY LLP	BOISE RIVER	IRRIGATION	27		27.6									64.8
Water Right	63-33499	N	HOPSTETTER, DAMA L, THEBMAK, LLC	BOISE RIVER	IRRIGATION					12.2							7.5
Water Right	63-33482	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD	CHRISTIAN GULCH WASTEWAY	IRRIGATION					7.5					X		
Water Right	63-33483	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD	GUESSES GULCH CREEK	IRRIGATION										X		
Water Right	63-33775	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD	WEST END DRAIN	IRRIGATION										X		
Water Right	63-33764	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD	MAMMEN GULCH CREEK	IRRIGATION										X		
Water Right	63-33768	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD	MAMMEN GULCH CREEK	IRRIGATION										X		
Water Right	63-33855	N	HOPSTETTER, DAMA L, THE TINA TEST FAMILY LLP	MAMMON GULCH CREEK	IRRIGATION										X		
Water Right	63-4007	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD	MEADOWS GULCH CREEK	IRRIGATION					8							8
Water Right	63-4008	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD	WEST END DRAIN	IRRIGATION										X		
Water Right	63-4010	N	BARBER, ALBERT P.; INVERSIDE IRRIGATION DISTRICT LTD	WEST END DRAIN	IRRIGATION										X		
Water Right	63-4851	N	FARMERS COOPERATIVE DITCH CO.; HONSMINGER, CHARLES L.	SAND HOLLOW DRAIN	IRRIGATION	X											
Water Right	63-4852	N	FARMERS COOPERATIVE DITCH CO.; HONSMINGER, CHARLES L.	SAND HOLLOW DRAIN	IRRIGATION	X											
Water Right	63-5179	N	ESTATE OF TINA TEST; HOPSTETTER, DAMA L, EST., TINA, THE TINA TEST FAMILY LLP	DRIE SLOUGH	IRRIGATION							7	32	24	31		
Water Right	63-5181	N	BID LLC, ESTATE OF TINA TEST; EST., TINA, THE TINA TEST FAMILY LLP	DRIE SLOUGH	IRRIGATION	1		22	30								

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



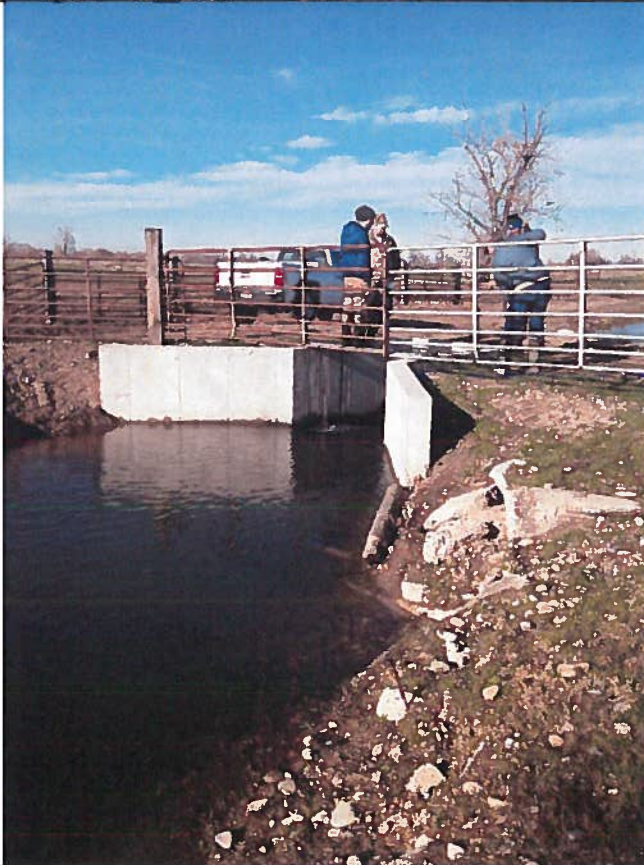
Point of Diversion
from the Boise
River.



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.

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.

Miller, Nick

From: Miller, Nick
Sent: Thursday, November 30, 2017 4:37 PM
To: 'Charles Honsinger'
Subject: RE: Permit No. 63-32066

Hi Charlie,

I received your email and will place a copy of it in the file for 63-32066 to ensure you get the copies you have requested.

Nick.

From: Charles Honsinger [mailto:honsingerlaw@gmail.com]
Sent: Thursday, November 30, 2017 3:17 PM
To: Miller, Nick <Nick.Miller@idwr.idaho.gov>
Subject: Permit No. 63-32066

Dear Mr. Miller:

I corresponded with you on June 2 of this year regarding the above-referenced permit on behalf of my client Greg Obendorf. You will recall that I requested IDWR quickly conduct a beneficial use exam to determine whether the right had been developed as our information was that the right had never been either developed or diverted (my client has recently submitted an application for permit that proposes diversion through the same limited-capacity ditch through which permit no. 63-32066 is proposed to be diverted). We have received information leading us to believe that IDWR has recently or soon will conduct this beneficial use examination.

This electronic mail correspondence requests that IDWR provide a copy of any beneficial use exam field report related to permit no. 63-32066 as soon as such document is placed in IDWR's files (including any related documents). Additionally, I request on behalf of my client that any order issuing a license for water right no. 63-32066 be copied to myself as soon as such order issues.

Please confirm your receipt of this message by way of reply email.

Thank you.

Charles L. Honsinger
Honsinger Law, PLLC
P.O. Box 517
Boise, ID 83701
Phone: (208)863-6106
Fax: (208)908-6085
honsingerlaw@gmail.com

Honsinger Law, PLLC
Charles L. Honsinger
(208) 863-6106

June 2, 2017

Nick Miller
Idaho Department of Water Resources
2735 Airport Way
Boise, ID 83705-5084

RECEIVED
JUN 05 2017
WATER RESOURCES
WESTERN REGION

Re: Tina Iest Family LLLP Permit No. 63-32066

Dear Mr. Miller:

I write on behalf of this firm's client Greg Obendorf, who recently submitted Application for Permit No. 63-34384 to your offices for processing. My client is concerned with Permit no. 63-32066 issued in the name of the Tina Iest Family LLLP (hereinafter "Iest").

As you will surmise from a review of the Iest permit, the Obendorf permit application is submitted for a similar purpose, a similar period of use, a similar quantity, and the same point of diversion from the Boise River (the Andrews ditch). Mr. Obendorf is concerned with the Iest permit because, according to him, despite the submission of proof of beneficial use on July 2, 2010, the appropriation has never been completed. The reasoning behind Mr. Obendorf's concerns is that the Iest permit has an earlier priority date than the application he has recently submitted - putting his anticipated water right in the priority column behind an incomplete appropriation.

My client states that the works necessary to divert the quantity of water authorized under the permit have never been completed, and that the water authorized under the permit has never been diverted. Mr. Obendorf is aware of these facts because he was involved with the property for many years, assisting with water right appropriations and related diversions, along with the construction of works therefor. My client requests that IDWR quickly complete a beneficial use/licensing examination to verify these concerns so that appropriate action may be taken.

Please contact me with any concerns or questions regarding this matter. Thank you.

Sincerely,



Charles L. Honsinger

cc: client