

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 3-7044

Exam Date: 6/27/2012

1. Current Owner: C/C LLC
3990 HWY 52
PAYETTE ID 83661
(208)278-3448
2. Accompanied by: George Colwell
Phone No: 208-278-3448
Address: 3990 Highway 52, Payette, ID 83661
Relationship to Permit Holder: Same

3. **SOURCE**

SNAKE RIVER

TRIBUTARY

COLUMBIA RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 65-72
2. Other water rights with the same point of diversion: 3-4008A, 3-10192

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

SNAKE RIVER L5 NW1/4SW1/4 Sec. 32, Twp 09N, Rge 05W, B.M. PAYETTE County

Method of Determination: GPS – Tag A0018517

2. **PLACE OF USE:** IRRIGATION

Twp	Rge	Sec	NE	NW	SW	SE	Totals
09N	05W	32	10.0	11.0			21.0

Total Acres: 21

Method of Determination: Field exam and digitizing

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. 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.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u>	<u>Pump Serial No.</u>	<u>ID No. *</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Size</u>
Tag A0018517	N254T17FB13B			15			
Tag A0018517	B0154FLF2US			15			

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

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
Polysonic						

2. Measurements: N/A. Couldn't get a reading – 12" HD composite pipe

E. FLOW CALCULATIONS X Additional Computation Sheets Attached

Measured Method: Theoretical

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

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

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

Water Permit 3-7044 proposes to divert an additional 1 cfs from an existing pumping station on the Snake River in township 09N 05W S32 Lot 5 (NWSW) for 50 acres. There are two 15 hp pumps which are manifolded at the station and deliver water to two primary ditches through 3200' of buried 12" pipe. The first ditch, approximately 2300' east of the station, is the Washoe ditch. This ditch delivers water to portions of decree 3-4008A and is also used for stockwatering under decree 3-10192. The second ditch is a distribution ditch and is used to deliver water to 3-7044 and the eastern portions of 3-4008A.

During the exam, and afterwards using aerial imagery and digitizing, it was discovered that all lands served by these pumps and ditches are covered under the 275 acres allowed 3-4008A except 21 acres, which is referred to in this permit. The other 29 acres referred to in this permit are fully covered under 3-4008A.

A flow measurement using a Polysonic could not be accomplished due to the pipe material coming from the two pumps. A theoretical measurement was calculated and indicates sufficient flow for both the 5.5 cfs for 3-4008A and 0.42 cfs for 21 acres proposed in the 3-7044 draft license. The calculation sheet and distribution system map are attached.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS**1. Recommended Amounts**

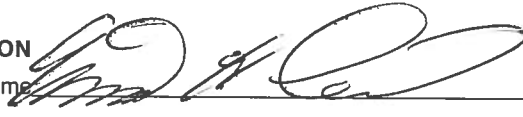
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/15 to 11/15	0.420 CFS	
<u>Totals:</u>		0.420 CFS	

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 ☐ Other

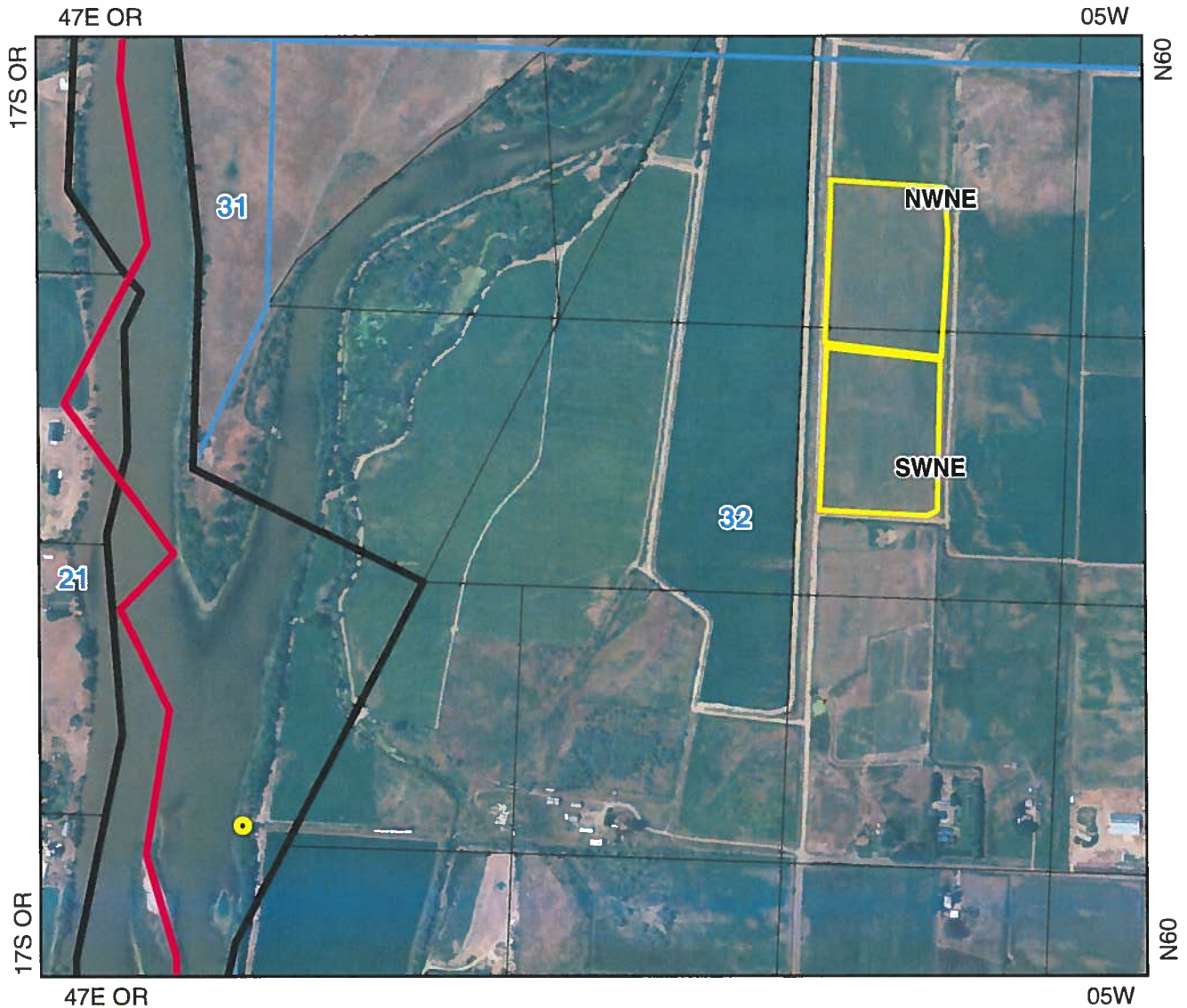
I. AUTHENTICATION

Field Examiner's Name  Date 1/7/2014

Reviewer _____ Date _____

State of Idaho
Department of Water Resources
Field Exam for Water Right License
3-7044

This map depicts the IRRIGATION 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.

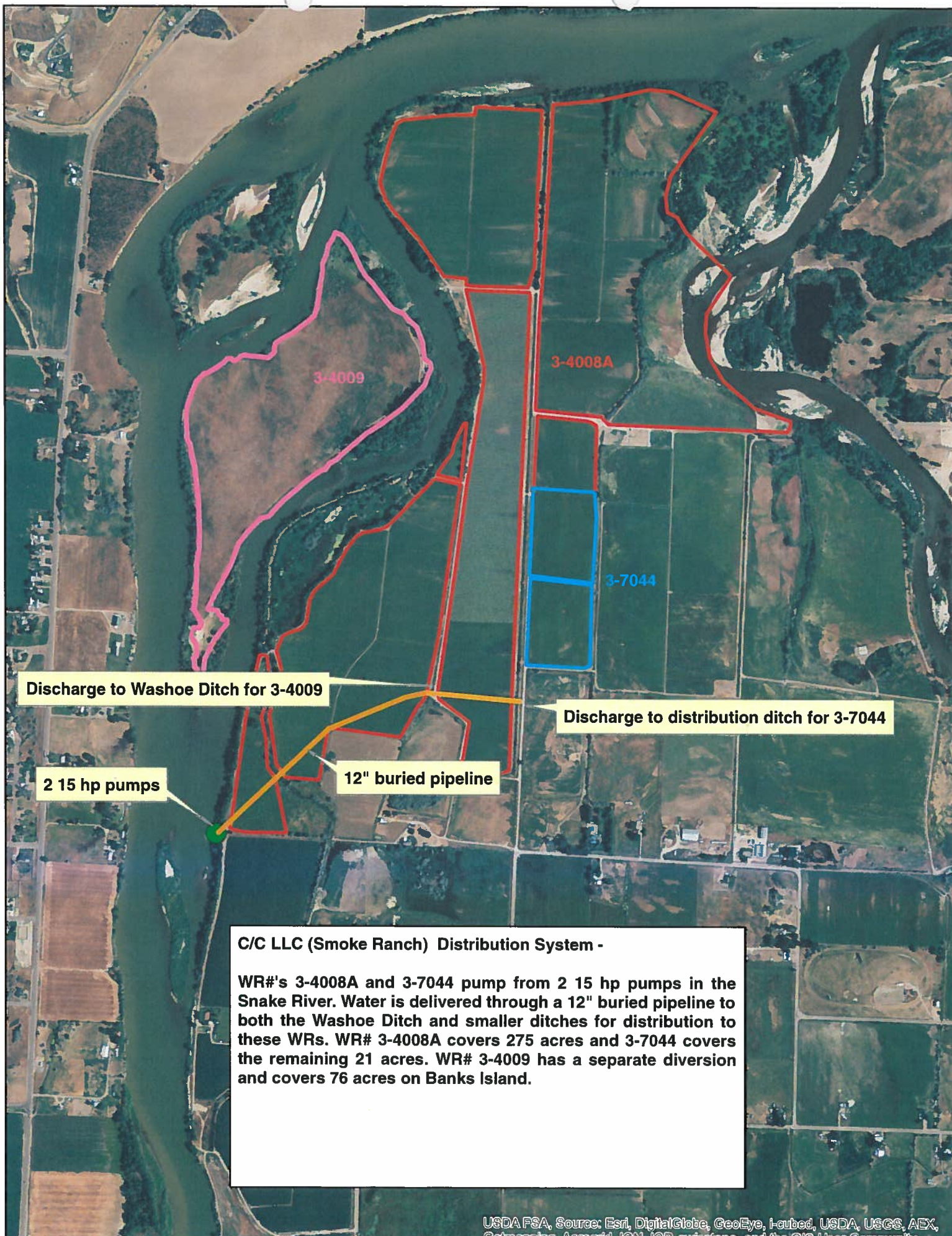


-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

2004 NAIP Imagery

0 0.1 0.2 0.4 Miles





THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)							
Water Right No.:	3-7044						
Reviewer:	Michael Ciscell						
Date of Review:	1/7/2014						
P/D No.:	A0018517	Scenerio 1		Scenerio 2		Scenerio 3	
PUMP HORSEPOWER		15		15		15	
BOOSTER HORSEPOWER		15		15		15	
PUMPING LEVEL		12		12		12	
DISCHARGE PRESSURE		5		7		8.2	
RATE OF FLOW (cfs)		7.85		6.56		5.97	AVE
(gpm)		3522.0		2944.4		2680.6	6.79
							3049.02
The above calculates the formula =		Q =	$8.8 * (\text{Efficiency}) * \text{hp}$ $\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}$				
Assumptions:	%70 efficiency.						
	No Friction						
Examiners Notes:	Data collected on 6-27-1212 during field exam.						
	Two 15 hp pumps in Snake River provide water for 296 acres total.						
	WR# 3-4008A from the same diversion diverts 5.5 cfs for 275 acres.						
	WR# 3-7044 will divert an additional .42 cfs for 21 acres not						
	previously covered. With an assumed Discharge Pressure of 8.2 psi						
	this pump station can provide water for these additional acres.						

Photo for 3-7044



POD looking west. Tag A0018517 on power pole.