

[illegible]

Method of Determination:

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>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
	Unable to Identify	3HP			

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
Portable Flowmeter	FSC		Fuji	S10A1-00Y	A0L5539T	3/30/2012

2. Measurements: A ten minute flow reading was performed. Maximum instantaneous flow rate was 36.8 gpm or .08 cfs.

E. FLOW CALCULATIONS☒ Additional Computation Sheets Attached

Measured Method:

Portable Flowmeter Measured flow at .08 cfs. (Maximum flow rate)

Theoretical Method:

$$Q = \frac{(8.8) \times (HP) \times (E)}{H}$$

$$\frac{(8.8) \times (3) \times (.70)}{(102 + ((2.31) \times (40)))} = .10$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

13,000 gallons per day limitation.

G. NARRATIVE/REMARKS/COMMENTS

3 HP submerged pump located in a well house. Decreed water right 31-10684 is diverted from the same point of diversion. The use of water under water right 31-10684 is for domestic (.08cfs) and stockwater (0.12 cfs, 645 range cattle) purposes and authorizes the diversion of 0.20 cfs. The stockwater use under this right and right 31-10684 are for the same property which is now owned by Darren Bitter. This right and water right 31-10684 when combined is limited to 0.20 cfs and 13,000 gallons per day. The stockwater use under this right and right 31-10684 will be limited to 1,000 head of cattle.

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>
STOCKWATER	01/01 to 12/31	0.080 CFS	
<u>Totals:</u>		0.080 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. AUTHENTICATIONField Examiner's Name Sam Bitter Date 4-18-12

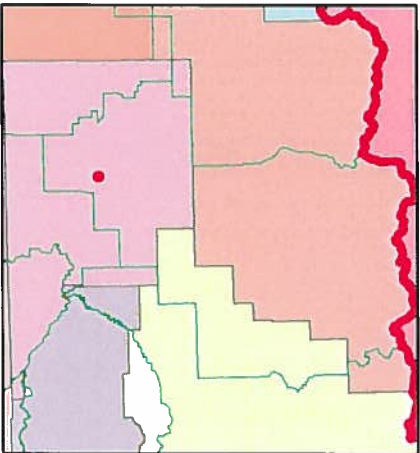
Reviewer _____ Date _____



Idaho Department of Water Resources

Water Right
31-11807
(STOCKWATER)

- Point of Diversion
- Place of Use
- State Outline
- Townships
- PLS Sections
- Quarter Quarters



Jefferson County
IDWR Basin 31

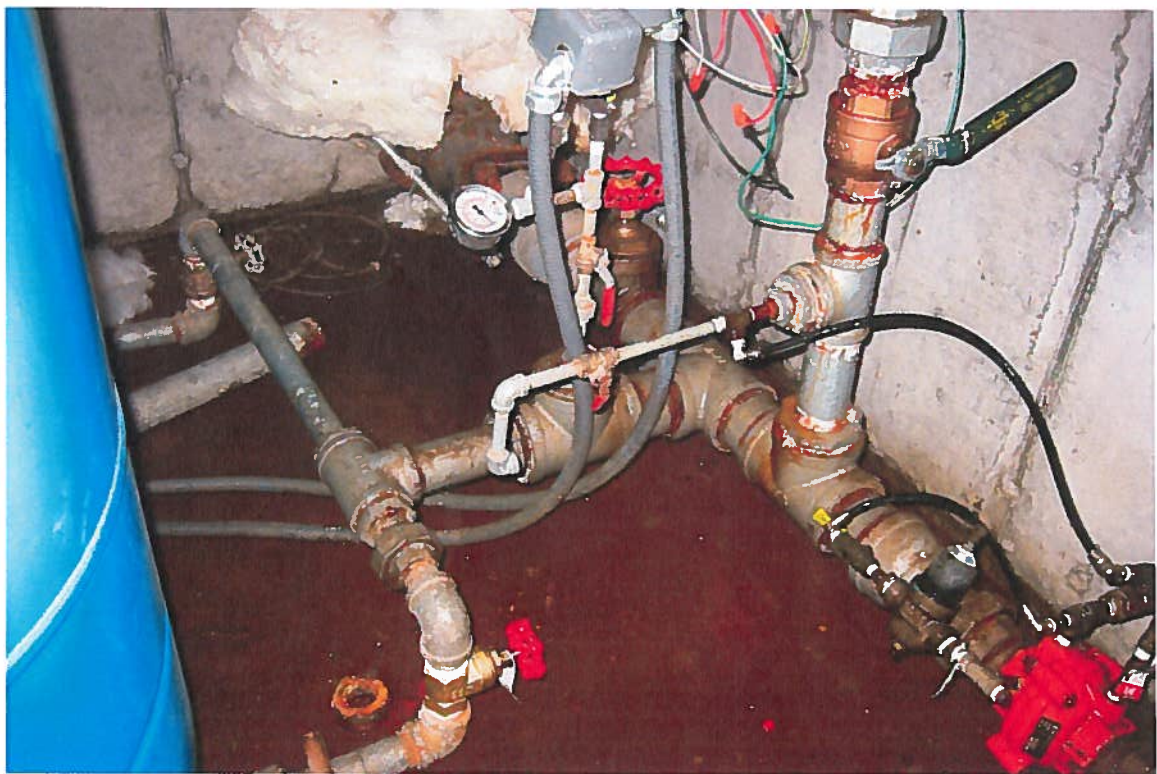
Prepared by Jordan, Blake

2009 Aerial Photography



T06N







31-11807	'VELOCITY	'FLOW RAT	'TOTALIZER
	ft/s	gal/min	gal
9/18/2012 13:57	1.301	6.334	7626.8
9/18/2012 13:57	6.897	33.571	7630.9
9/18/2012 13:57	7.54	36.699	7636.7
9/18/2012 13:58	7.57	36.842	7642.9
9/18/2012 13:58	7.475	36.381	7648.9
9/18/2012 13:58	7.383	35.934	7655.3
9/18/2012 13:58	7.29	35.482	7661.2
9/18/2012 13:58	7.238	35.226	7667
9/18/2012 13:58	7.144	34.769	7672.8
9/18/2012 13:59	7.085	34.482	7678.5
9/18/2012 13:59	7.034	34.235	7684.2
9/18/2012 13:59	6.955	33.849	7689.8
9/18/2012 13:59	6.9	33.584	7695.6
9/18/2012 13:59	6.846	33.322	7701.2

Maximum instantaneous
flow rate.

.08 cfs

Permit is for (.23)