

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 61-11935

Exam Date: 7/16/2014

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? ☒ Yes ☐ No
- Irrigation of 5 acres or less
 - Storage of up to 14.6 AF for stockwater purposes only
 - Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >

2. Current Owner: Name: Robert N Howard
Owner of Record Correct? ☒ Yes ☐ No
Address of Record Correct? ☒ Yes ☐ No
If No: Address

3. Beneficial Use Fees have been paid: ☒ Yes ☐ No Receipt No: CO59774

4. **SOURCE****TRIBUTARY**

Bennett Creek

Snake River

Method of Determination: Applicant submitted an aerial photo map that outlined POD & POU.

Change in Source: ☐ Yes ☒ No**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: Overlap? ☐ Yes ☒ No

Water Right No.	Source	Purpose of Use	Basis

Comments: No Place of Use overlap exists with this water right.

2. Other water rights with the same point of diversion: Overlap? ☐ Yes ☒ No

Water Right No.	Source	Purpose of Use	Basis

Comments: No Point of Diversion overlap exists with this water right.

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

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.	County
Bennett Creek			NW	SE	27	5S	8E	Elmore

Method of Determination: Legal Description in permit validated by PLS data and mapping.

Change in POD? ☐ Yes ☒ NoAmendment Required? ☐ Yes ☒ No

2. **PLACE OF USE:** Use: Domestic & Irrigation

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
05S	08E	27														X			

Method of Determination: Map of property submitted by land owner identifies POU clearly. PLSS data through ArcMap match.

Change in POU? ☐ Yes ☒ No Amendment Required? ☐ Yes ☒ No☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable.

☒ Aerial Photo Attached (required for irrigation of 10+ acres).☐ Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Not applicable – In stream stockwater use.					

*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

2. Measurements: In-office field exam so flow measurements not taken.**E. FLOW CALCULATIONS**☒ Additional Computation Sheets Attached

Measured Method:

Flow rate dependant on availability of water in the stream.

Administrators Memorandum #3 references the annual use of water for stock water purposes. For 600 head of cattle, a diversion rate of up to 0.14 cfs is recommended.

Measurement = None**Permit allowed = 0.14 cfs****License recommend for 0.14 cfs.****F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

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

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

2. Volume Calculations for Other Uses:

In-stream watering of livestock is exempt from volume requirements referring to Beneficial Use Examination Rules.

G. PURPOSE OF USEIrrigation ☐ Yes ☒ No # Stock 600 Domestic # of Homes 0

Other: < >

Change in Purpose of Use? ☐ Yes ☒ No

Method of Determination: Information in the water right file is consistent with aerial photography of the property.

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

Permit 61-11935 authorized the diversion of 0.14 cfs from a spring for in-stream stockwater purposes. Based on the parameters of the permit, this qualifies for an in-office field exam which was conducted by Water Resource Agent Patrick Kelly on July 9, 2014.

The legal description of the POU & POD were used to locate the property on a map. Taxlot information identified the property owner as a Mr. Robert N Howard who is identified as the permit owner of permit 61-11935. The aerial photo map that was submitted with the application matched aerial photography of the area. I was able to confirm over historical photos the presence of water running through Bennett Creek.

There are no overlap of POU or POD on the property. I recommend that the license be issued at the permitted rate of 0.14 cfs. Volume limits will not be identified per Beneficial Use Exam Rules.

Have conditions of permit approval been met? ☒ Yes ☐ No**I. RECOMMENDATIONS****1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Stockwater	01/01 – 12/31	0.14 cfs	---
	<u>Totals</u>	0.14 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

Other: < >

J. AUTHENTICATIONField Examiner's Name Patrick Kelly Date 7-16-2014

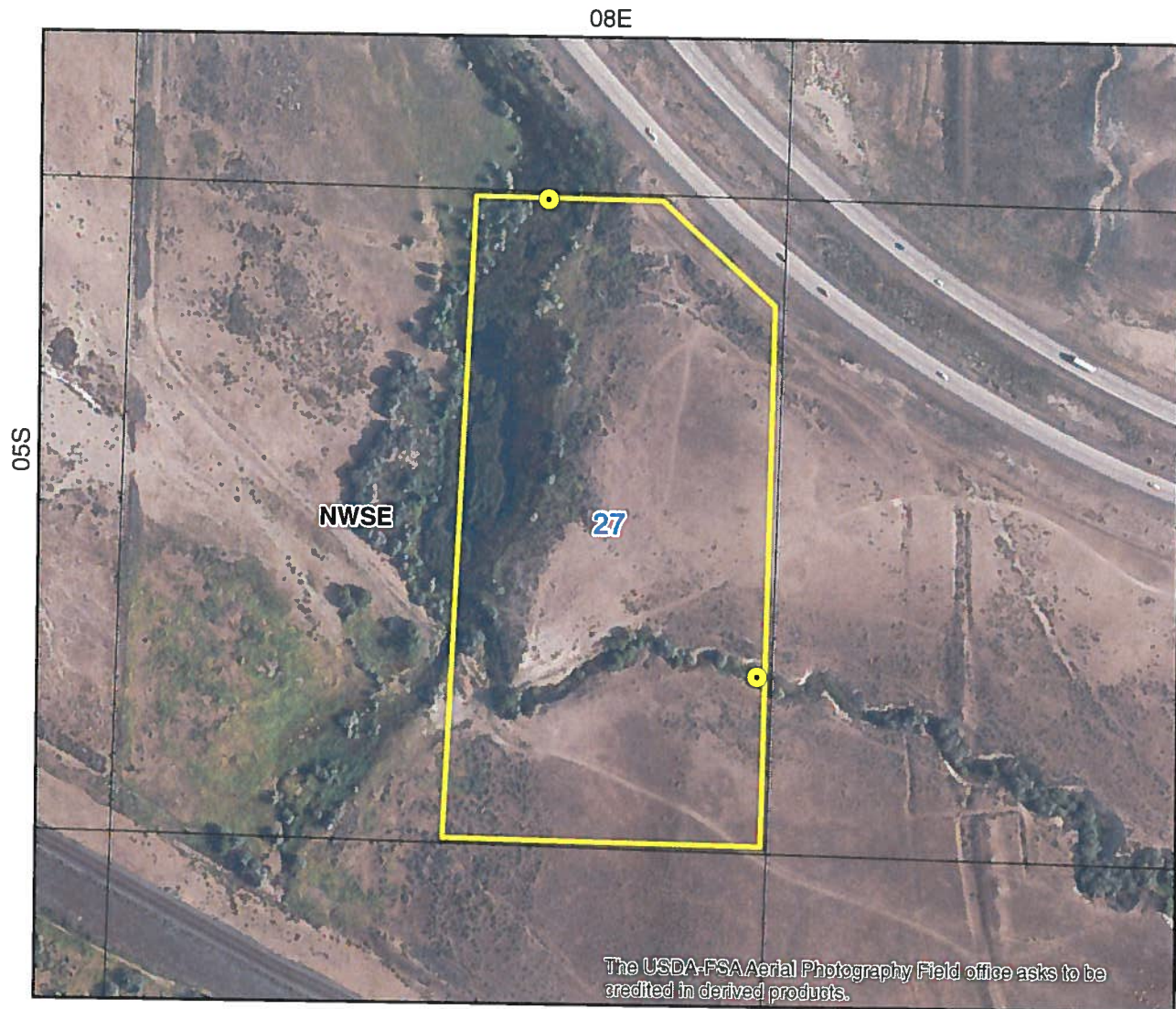
Reviewer _____ Date _____

State of Idaho
Department of Water Resources

Field Exam Map

61-11935

This map depicts the STOCKWATER 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

0 0.0425 0.085 0.17 Miles



OPERATIONS DIVISION
ADMINISTRATOR'S MEMORANDUM

TO: District Office
FROM: A. Kenneth Dunn
SUBJECT: Annual Use of Water for Stockwater Purposes

No. of Stock (head)	RANGE CATTLE		DAIRY CATTLE	
	Rate* c.f.s. (1)	Volume AF/yr. (1)	Rate* c.f.s. (2)	Volume AF/yr. (2)
0 - 10	0.02	0.2	0.02	0.4
11 - 25	0.02	0.4	0.02	1.0
26 - 50	0.02	0.7	0.04	2.0
51 - 100	0.03	1.4	0.07	4.0
101 - 200	0.05	2.7	0.13	7.9
201 - 300	0.07	4.1	0.20	12.0
301 - 400	0.09	5.4	0.26	16.0
401 - 500	0.12	6.7	0.33	20.0
501 - 600	0.14	8.1	0.39	24.0
601 - 700	0.16	9.4	0.46	28.0
701 - 800	0.19	11.0	0.52	32.0
801 - 900	0.20	12.0	0.58	36.0
901 - 1000	0.23	14.0	0.65	40.0
1001 - up (3				

(1 The amounts shown are based on 12 gpd/head with a 12 month period of use. (i.e. for range cattle, horses and mules). The amount does not include a loss (i.e. thru conveyance, etc.)

2. The amounts shown are based on 35 gpd/head with a 12 month period of use. (i.e. for dairy cattle). The amount does not include a loss. (i.e. thru conveyance, etc.).

3. For annual use calculations which involve more than 1000 head, round the number of head up to the next even one hundred, and

Volume

- a) for livestock use @ 12 gpd/hd, N (0.0134).
- b) for dairy use @ 35 gpd/hd, N (0.0391).

Rate

- a) for livestock use @ 12 gpd/hd, N (0.00022).
- b) for dairy use @ 35 gpd/hd, N (0.00065).

The answer should be rounded up to the nearest whole acre-foot.

*The rate is based upon approx. 2 hr/day diversion to obtain daily requirement.

A. Kenneth Dunn

Process	Basin Sequence	Draft	Owner	Source	POD/ POU	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Water Right	2-7359B	N	CAVEN PROPERTIES LLC	SNAKE RIVER	POU									3.0	22.0	38.0	38.0					101
Water Right	37-21595	N	KING HILL IRRIGATION DISTRICT	MALAD RIVER	POU															X		0
Water Right	37-4112	N	KING HILL IRRIGATION DISTRICT	MALAD RIVER	POU															X		0
Water Right	61-10618	N	JOE BLACK & SONS	BENNETT CREEK	POD														X			0
Water Right	61-10618	N	JOE BLACK & SONS	BENNETT CREEK	POU														X			0
Water Right	61-10676	N	HAMMETT LIVESTOCK CO	BENNETT CREEK	POD			X														0
Water Right	61-10676	N	HAMMETT LIVESTOCK CO	BENNETT CREEK	POU			X														0
Water Permit	61-11935	N	HOWARD, PAMELA; HOWARD, ROBERT N	BENNETT CREEK	POD													X				0
Water Permit	61-11935	N	HOWARD, PAMELA; HOWARD, ROBERT N	BENNETT CREEK	POU													X				0