

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 43-7187

Exam Date: 10/16/2012

1. Current Owner: USDA FOREST SERVICE BOISE NATIONAL FOREST
1249 VINNELL WAY SUITE 200
BOISE ID 83709
(208) 373-4143

2. Accompanied by: Corey Skinner (IDWR)

3. **SOURCE**

UNNAMED STREAM

TRIBUTARY

VAN CAMP CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point of diversion: None

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

UNNAMED STREAM

SE1/4SE1/4

Sec. 28, Twp 12S, Rge 29E, B.M.

CASSIA County

Method of Determination: GPS, Digitization, Aerial Photo Review (2011)

2.

PLACE OF USE: STOCKWATER STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
12S	29E	28																X	

Method of Determination: Aerial Photo Review (2011) & Field Verification

D. FLOW MEASUREMENTS

N/A (on-stream storage)

E. FLOW CALCULATIONS

N/A (on-stream storage)

F. VOLUME CALCULATIONS

- Pond Capacity = 0.02 acres x 3 ft avg depth = 0.06 AF
 - Surface area of pond = 0.02 acres (per Aerial Photo Analysis)
 - Average depth of pond at 10/12/2012 Field Exam = 3 ft
- Dimensions of pond as measured in 4/21/1987 by T. Blau:
 - Length = 25 ft
 - Width = 13 ft
 - Dam Width = 15 ft
 - Dam Height = 6 ft
 - Average Depth = 3 ft
 - Pond Capacity = (25 ft x 13 ft)/(43560 ft²/acre) x 3 ft avg depth = 0.02 AF
- Evaporative loss based on the NWS Malta Station for Shallow Water Systems is 3.68 AF/Acre. Therefore the total Evaporative loss for the pond is 0.02 acres x 3.68 AF/acre = 0.07 AF
- According to the Field Report performed by T. Blau on 4/21/1987, 427 head of cattle are allowed in this unit for up to 30 days between 6/16 and 9/30 if extensions are allowed:
 - (427 Range Cattle) x (12 gpd/head) x (30 days) / (325850 gallons/af) = 0.47 AF
- Total usage, which would require multiple fills of the pond, would be 0.07 AF (evaporative loss) + 0.47 AF (consumption) = 0.54 AF

G. NARRATIVE/REMARKS/COMMENTS

Application for Permit 43-7187 was filed January 18, 1983 and the permit was issued on June 21, 1984 for 0.25 acre-feet of stockwater storage and stockwater from storage uses northwest of Sublette Reservoir. The source on the application is listed as the South Fork of Van Camp Creek (Unnamed Stream) tributary to Sinks, however the permit indicates it is tributary with Van Camp Creek. This is consistent with the USGS QQ Map. Proof of Beneficial Use was filed on March 7, 1985. On A preliminary field exam was completed on August 20, 1990, by Terry Blau and a final field exam was completed on October 16, 2012.

During the exam it was noted an impoundment was constructed across an unnamed channel, approximately 1.4 miles northwest of Sublette Reservoir. The pond on an unnamed stream, drains down gradient (north and east), eventually entering Van Camp Creek (approximately 0.13 mi. from impoundment) during high flow periods. As can be seen from the calculations above, the pond was estimated to have a capacity of approximately 0.02 AF. The pond has no outlet control works so controlled releases of water from the pond are not possible. For this reason, the stockwater from storage component described on the permit does not exist so it is recommended that it be dropped from the license. The aerial photography appears to indicate several livestock trails running to and from the pond and evidence of livestock use was visible during the field examination. Based on the usage reported by the applicant, Terry Blau, as well as evaporative losses, it is recommended that license 43-7187 be issued for the permitted amount of 0.25 acre-feet of stockwater storage, since it is less than the calculated usage.

It should be noted that this right was erroneously claimed in the SRBA adjudication and the claims were subsequently withdrawn. It should also be noted that rights 43-11195 & 43-11178 are in-stream stockwater rights for the same source.

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 STORAGE	01/01 to 12/31		0.25 AF
<u>Totals:</u>			0.25 AF

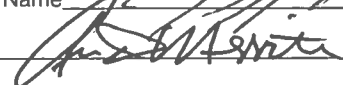
2. Recommended Amendments

☐ 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 ☐ Other

I. AUTHENTICATION

Field Examiner's Name  Date 6/17/2014

Reviewer  Date 6/17/14

State of Idaho
Department of Water Resources
Attachment To Water Right License
43-7187

This map depicts the STOCKWATER STORAGE 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.

29E



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

0 0.00275 0.0055 0.011 Miles



Field Exam Photographs:



Figure 1: View of the Stockwater Pond (POU)



Figure 2: view of the Embankment (POD) across the Unnamed Stream Tributary to Van Camp Creek



Figure 3: Downstream view of the outlet (15" CMP) and Unnamed Stream Channel



Figure 4: Upstream view of the Pond and Unnamed Stream Channel

System Diagram:

