

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

A. GENERAL INFORMATIONPermit No: 57-7693

Exam Date: 09/26/12

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? X Y N
- 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: Bureau of Land Management
Owner of Record Correct? X Y N
Address of Record Correct? X Y N
If No: Address

3. Beneficial Use Fees have been paid: X Y N Receipt No: W026320

4. **SOURCE** **TRIBUTARY**
Little Kane Spring West Rabbit Creek

Method of Determination: GPS provided by permit holder and Spring on DRG.

Change in Source: Y X N

Permitted for unnamed stream. Little Kane Spring is within the stream bed of an unnamed stream on the DRG. Application does have Little Kane Spring scratched out. Proof is for Little Kane Spring. Source changed to Little Kane Spring.

B. OVERLAP REVIEW

1. Other water rights with the same place of use: X NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: 57-2389 is for historic use of stock watering directly from the spring.

2. Other water rights with the same point of diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
57-2389	Little Kane Spring	Stock	Decreed

Comments: Application mentions 57-7366. 57-7366 was withdrawn in the SRBA.

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

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Little Kane Spring		SE	SW	NW	35	01S	03W	B.M.	Owyhee

Method of Determination: GPS provided by permit holder. Spring on DRG.

Change in POD? Y X N Amendment Required? Y X N

[illegible]

Change in POU? X Y N Amendment Required? X Y N

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

*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: < _____ >

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

0.06 cfs less than the recommend per application processing memo #3 for 301-400 head. No evidence of extra diversion for wildlife.

See memo from Dan Nelson Dated 12/05/13.

Permit allowed = 0.06 cfs combined

License recommended for 0.05 cfs ombined.

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:

Recommendation per Application Processing Memo #3:301-400 head = 5.4 afa

366 * 0.0134 = 4.9 afa

See memo from Dan Nelson Dated 12/05/13

- License recommend for 4.9 afa total

G. PURPOSE OF USE

Irrigation _____ N # Stock__306 cattle, 60 horses__ Domestic # of Homes _____

Other: Wildlife

Change in Purpose of Use? ____Y __X__N

Method of Determination: Information provided by permit holder.

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

H. NARRATIVE/REMARKS/COMMENTS

Little Kane Spring Project 1389 East Reynolds Creek Allotment 0651

Not in a water district. - removed condition see memo from D. Nelson dated 11/26/13

Does not have Lockable Device condition or Measuring Device condition

Have conditions of permit approval been met? ____Yes ____No

57-2389 a historic right for use directly from stream. Spring diversion rebuilt after establishment of 57-2389.
 57-11226 and 57-7366 Disallowed in SRBA.

Permitted for unnamed stream. Little Kane Spring is within the stream bed of an unnamed stream on the DRG.
 Application does have Little Kane Spring scratched out. Proof is for Little Kane Spring. Source changed to Little Kane Spring. No amendment needed for source as it is a clarification, not a change.

I. 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	0.03 CFS	4.1 AFA
Wildlife Storage	01/01 to 12/31	0.02 CFS	0.8 AFA
<u>Totals:</u>		0.05 CFS	4.9 AFA

2. Recommended Amendments

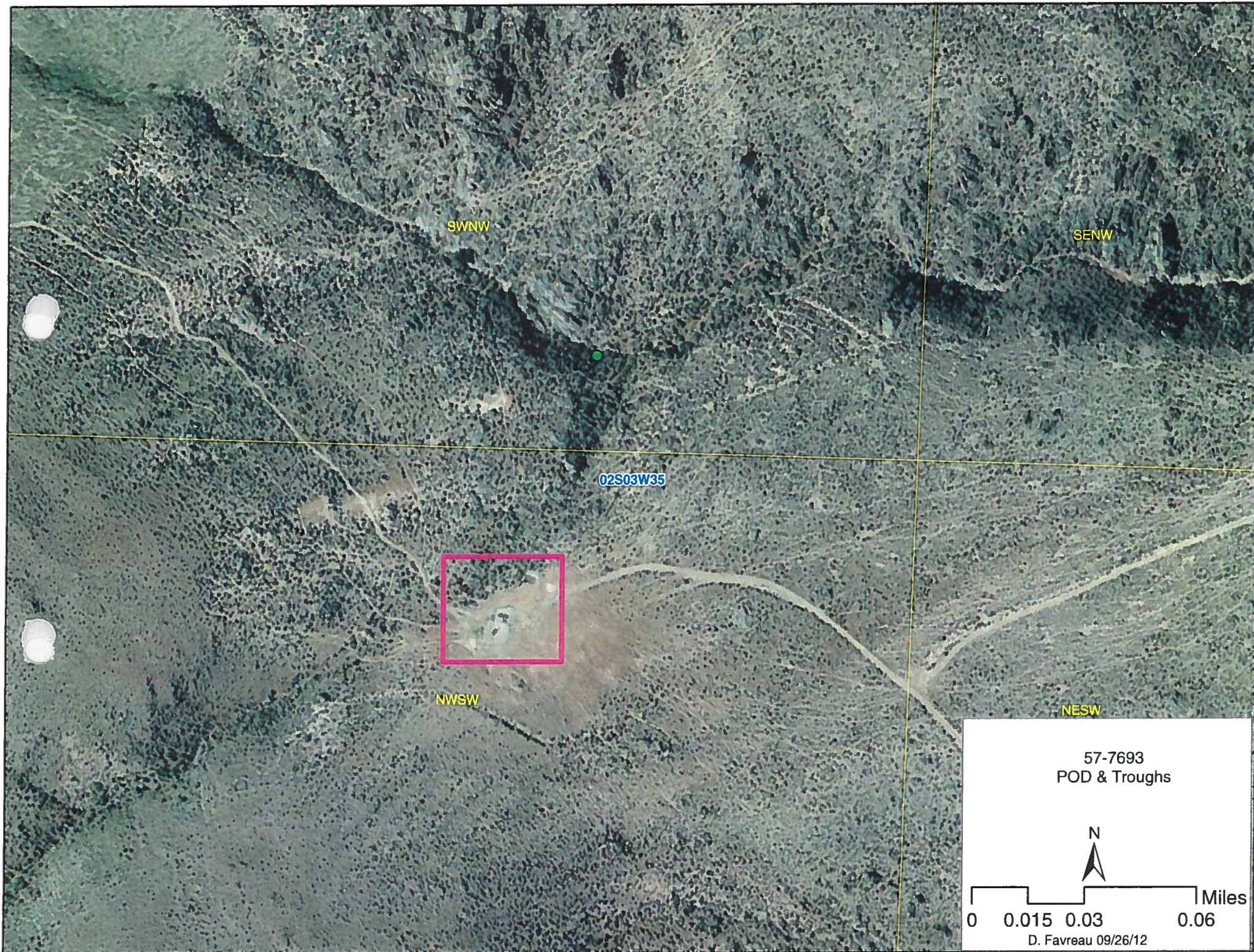
____Change P.D. as reflected above ____Add P.D. as reflected above __X__None

__X__Change P.U. as reflected above ____Add P.U. as reflected above ____None

Other:

J. AUTHENTICATIONField Examiner's Name Dan Nelson Date 12-05-13

Reviewer _____ Date _____



MEMORANDUM

TO: Danielle Favreau

FROM: Daniel Nelson – Staff Hydrologist

DATE: December 5, 2013,

SUBJECT: Diversion Rate and Volume Review of Water Right 57-7693

The diversion rate and volume were a little misleading in this permit. The stockwater use should only be considered for the cattle. The wildlife in this permit should be for the horses mentioned in the permit, since this area is known for its wild horses. The stockwater and wildlife diversion rates were additive in the permit and not inclusive, which suggest this is the reason for the two rates. I used the Field Examiner's Handbook to determine rates and volumes below:

Stockwater:

The stockwater is based on 306 cattle. According the Field Examiner's Handbook, the diversion rate for cattle is calculated by multiplying the number of cattle by 0.00022 to determine the diversion rate.

$$306 \text{ cattle} \times 0.00022 = 0.06732 \text{ cfs (the permit limits the stockwater to 0.03cfs)}$$

The Field Examiner's Handbook limit the volume to 12 gallons per day per animal.

$$306 \text{ cattle} \times 12 \text{ gpd} \times 365 \text{ days} / 325850 = 4.1 \text{ acre feet.}$$

Wildlife:

The wildlife is based on 60 wild horses. According the Field Examiner's Handbook, the diversion rate for horses is calculated by multiplying the number of cattle by 0.00022 to determine the diversion rate.

$$60 \text{ cattle} \times 0.00022 = 0.0132 \text{ cfs (rounded to 0.02 cfs)}$$

The Field Examiner's Handbook limit the volume to 12 gallons per day per animal.

$$60 \text{ cattle} \times 12 \text{ gpd} \times 365 \text{ days} / 325850 = 0.8 \text{ acre feet.}$$

The permit should be licensed as follows:

Stockwater = 0.03 cfs and 4.1 af

Wildlife = 0.02 cfs and 0.8 af

Total = 0.05 cfs and 4.9 af

TABLE NO. 6

ANNUAL USE OF WATER FOR STOCKWATER PURPOSES

No. of Stock (head)	<u>RANGE CATTLE</u>		<u>DAIRY CATTLE</u>	
	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.

Favreau, Danielle

From: Nelson, Dan
Sent: Wednesday, December 04, 2013 2:32 PM
To: Favreau, Danielle
Cc: 'raul_trevino@blm.gov'
Subject: FW: Waiver for BLM rts 57-7692 -7693
Attachments: IDWR measure device waiver BLM.doc

Danielle,

Here is the watermaster waiver letter from Connie Brandau from Water District 57R. We can move forward with the process on these water rights.

Thank you.

Dan Nelson

From: conniebrandau@q.com [<mailto:conniebrandau@q.com>]
Sent: Wednesday, December 04, 2013 2:03 PM
To: Nelson, Dan
Cc: Trevino Jr, Raul; Jerry Hoagland
Subject: Waiver for BLM rts 57-7692 -7693

Dan,

Thank you for your time this afternoon. Attached is my response letter to BLM's request for consideration for waiver of requirements for water rights 57-7692 and 57-7693.

Respectfully,
Connie Brandau

Connie Brandau, Water Master
Reynolds Creek Dist. 57R
9902 Wilson Cemetery Lane
Wilson, ID 83641

December 4, 2013

State of Idaho
Department of Water Resources
Attn: Dan Nelson
P. O. Box 83720
Boise, ID 83720-0098

RE: Water rights 57-7692 & 57-7693 waivers

Dear Sir:

I received a letter from BLM Owyhee Field Office dated December 4, 2013 requesting consideration of waiver for the requirement of a measuring device and head gate for water rights 57-7692 and 57-7693 that are spring developments for livestock and wildlife within the 57R watershed.

It is my recommendation that IDWR waive the immediate requirement for a measuring device and head gate on both of those water rights, while reserving the right to require those devices if needed at a future time.

Respectfully,

Connie Brandau, Water Master
Reynolds Creek Dist. 57R

Cc: Jerry Hoagland, Secretary, Reynolds Creek Dist. 57R
Raul Trevino, Jr. Range Tech., BLM Owyhee Field Office

MEMORANDUM

TO: Danielle Favreau

FROM: Daniel Nelson – Staff Hydrologist

DATE: November 26, 2013,

SUBJECT: Licensing Review of Water Right 57-7693

There were a couple of questions regarding this file that needed further review.

The first question dealt with overlapping water right 57-2389. My review of this water right revealed that it replaced water right license 57-7366. In the comments of this permit, water right license 57-7366 was licensed for the stockwater use for the spring. In the Snake River Basin Adjudication, water right license 57-7366 was disallowed and replaced with water right 57-2389. Water right decree 57-2389 is for stockwater use directly from the spring. This permit is for stockwater troughs south of springs. This is a standard practice by the Bureau of Land Management (BLM) of adding troughs in a grazing allotment to take pressure off of the spring itself. Water right 57-2389 doesn't have a volume limiter, so a combined condition would be unnecessary.

The second issue was whether or not we should maintain the water district condition on this water right, since it doesn't fall within the borders of Water District 57R, and it isn't tributary to Reynolds Creek. I spoke with supervision, and we can remove this condition from the water right. Little Kane Spring is tributary to West Rabbit Creek, which is tributary to Scorpion Creek, which is tributary to the Snake River. Water District 57R only regulates water tributary to Reynolds Creek. Therefore, Little Kane Springs is not in Water District 57R.

Little Kane Spring (01389)

Water Right # 57-07693

T. 2 s., R. 3 w., Sec. 35

1 Collection Headbox

2 Water Troughs Side by Side

No Enclosure

Little Kane Springs (P 189)
Water Right # 57-07633
T. 2s R. 3w Sec. 35

4143

HeadBox
UTM 527097.821 N 4783714.48 E Meters

Little
Kane Spring

Trough
UTM 527078.771 N 4783625.584 E Meters

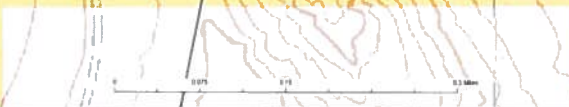
34

35

x 4695

Water
Tank

4252





Little Kane Spr.

7/31/06



Trough Replenished Done on 8/1/06



BLM meeting Notes from 10/30/2013

The following are the notes that I have for the BLM meeting I had with Raul Trevino Jr. from the BLM Owyhee office in Marsing concerning a number of water right permits that we need licensed. Each right has its own notes.

55-13853--- BLM Project Number -- 9643

Per a telephone call there are two ponds. Water right 55-7216 is a non-functional pond that is described incorrectly. We will need to send the appropriate forms to correct (transfer forms) to fix this situation.

55-13827 --- BLM Project Number -- 9620

Appears to need an amendment – BLM did the field work (GPS coordinates and pictures) and is sending the information in by mail.

55-13829 --- BLM Project Number -- 9859

BLM did the field work and is sending the information in by mail. BLM did the field work (GPS coordinates and pictures) and is sending the information in by mail.

55-13832 --- BLM Project Number -- ???

BLM did the field work and is sending the information in by mail. BLM did the field work (GPS coordinates and pictures) and is sending the information in by mail. Trough, Spring and Spring enclosure.

55-13839 --- BLM Project Number -- 9899

This one may need an amendment. BLM did the field work and is sending the information in by mail. BLM did the field work (GPS coordinates and pictures) and is sending the information in by mail. Pond – Will Need Pond Depth from BLM.

55-13840 --- BLM Project Number -- 9900

This one may need an amendment. BLM did the field work and is sending the information in by mail. BLM did the field work (GPS coordinates and pictures) and is sending the information in by mail. Pond – 3.5 feet depth of pond.

55-13850 --- BLM Project Number -- 9884

This one may need an amendment. BLM did the field work and is sending the information in by mail. BLM did the field work (GPS coordinates and pictures) and is sending the information in by mail. Pond – Need average depth of pond.

55-13851 --- BLM Project Number -- 9904

This one may need an amendment. BLM did the field work and is sending the information in by mail. BLM did the field work (GPS coordinates and pictures) and is sending the information in by mail. Pond – 3.5 feet depth of pond.

55-13873 --- BLM Project Number -- 9883

This one may need an amendment. BLM did the field work and is sending the information in by mail. BLM did the field work (GPS coordinates and pictures) and is sending the information in by mail. Trough and Spring.

55-13874 --- BLM Project Number – 9881 and 004139

Permit states Stockwater with a cfs rate, Permit states Stockwater Storage with a cfs rate. This one may need an amendment, but we need to see if we can correct it without an amendment if possible. BLM did the field work and is sending the information in by mail. BLM did the field work (GPS coordinates and pictures) and is sending the information in by mail. Spring and Troughs.

55-13883 --- BLM Project Number -- 006950

BLM did the field work and is sending the information in by mail. BLM did the field work (GPS coordinates and pictures) and is sending the information in by mail.

57-7684 --- BLM Project Number -- 9074

BLM did the field work and is sending the information in by mail. BLM did the field work (GPS coordinates and pictures) and is sending the information in by mail. This one needs a measurement and headgate waiver from Water District 57C Watermaster.

57-7686 --- BLM Project Number -- 9072

BLM did the field work and is sending the information in by mail. BLM did the field work (GPS coordinates and pictures) and is sending the information in by mail. This one needs a measurement and headgate waiver from Water District 57C Watermaster.

57-7687 --- BLM Project Number -- 9073

BLM did the field work and is sending the information in by mail. BLM did the field work (GPS coordinates and pictures) and is sending the information in by mail. This one needs a measurement and headgate waiver from Water District 57C Watermaster.

57-7685 --- BLM Project Number – 0075, 5387, and 0502

BLM did the field work and is sending the information in by mail. BLM did the field work (GPS coordinates and pictures) and is sending the information in by mail. Need size of Bladder. This one needs a letter from BLM requesting a waiver of the measurement and headgate requirements due to an inactive Water District 57E.

57-7692 --- BLM Project Number -- 8522

BLM did the field work and is sending the information in by mail. BLM did the field work (GPS coordinates and pictures) and is sending the information in by mail. This one needs a measurement and headgate waiver from Water District 57R Watermaster.

57-7693 --- BLM Project Number -- 1389

BLM did the field work and is sending the information in by mail. BLM did the field work (GPS coordinates and pictures) and is sending the information in by mail. This one needs a measurement and headgate waiver from Water District 57R Watermaster.

57-7694 --- BLM Project Number – 8915

BLM did the field work and is sending the information in by mail. BLM did the field work (GPS coordinates and pictures) and is sending the information in by mail. Need size of Bladder. This one needs a letter from BLM requesting a waiver of the measurement and headgate requirements due to an inactive Water District 57E.

I have sent contact information concerning the watermaster to Raul, and I have also sent the templates to Raul as well. The templates got there too late, but he said he would make a similar one for his work.