

A. GENERAL INFORMATION

Exam Date: 5/20/2013

- | 3. <u>SOURCE</u> | <u>TRIBUTARY</u> |
|------------------|------------------|
| UNNAMED STREAM | RUSH CREEK |

1. Other water rights with the same place of use: 67-7931, 67-14585, 67-14586, 67-14587, 67-14588, 67-14591, 67-14592
2. Other water rights with the same point of diversion: 67-7931

UNNAMED STREAM SW1/4SE1/4 Sec. 10, Twp 15N, Rge 03W, B.M.
WASHINGTON County

2.

Twp	Rge	Sec	NE				NW				SW				SE				
			<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>	<u>Totals</u>
15N	03W	10									31.0					34.0	35.0		100.0

Total Acres: 100

[illegible]

Method of Determination: Arc Map (Aerial Photo); Tax Lots.

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 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 Size</u>
N/A	N/A	N/A	N/A	N/A	10"

*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>
N/A						

2. Measurements: No field measurement. Irrigation storage beneficial use.

E. FLOW CALCULATIONS

Measured Method: N/A

Additional Computation Sheets Attached

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: (Irrigation Storage Pond)

Storage Pond Surface Area = 5.0 ac.

Measured Pond Storage Capacity = 37.0 AF (Dam Safety Measurement)

V(appropriated – WR 67-7931) = 20 AF

V = 37.0 AF – 20 AF – 17.0 AF

V(recommended) = 17.0 AF**G. NARRATIVE/REMARKS/COMMENTS****IRRIGATION STORAGE POND:**

A 5-acre on-stream irrigation storage pond, with a total storage volume of 37.0-AF as indicated in the dam safety files, provides the right holder with irrigation storage from an Unnamed Stream that consists of runoff and irrigation waste water. The irrigation storage pond is the same storage pond described in Water Right 67-7931. Water from the storage pond is only diverted when water flows in Rush Creek are low, and the right holder is not able to divert an adequate water supply under other water rights to operate the irrigation systems. A 60-hp pump is installed on the 6" outlet pipe of the irrigation storage pond to pump water to the wheel line and hand line irrigation systems.

OVERLAP ANALYSIS:

Point of Diversion: Water Right Permit No. 67-14405 and Water Right Permit 67-7931 have overlapping points of diversion.

Place of Use: Water Right Permit No. 67-14405 and Water Right Permit 67-7931 have overlapping places of use with Water Rights 67-14585, 67-14586, 67-14587, 67-14588, 67-14591, and 67-14592.

Have conditions of permit approval been met? ☒ Yes ☐ No

The conditions of approval shall be revised to be consistent with the Watermaster's current comments as in Water Right Permit No. 67-7931.

→ = NO Reply from
WM, OK per
default system,
concurs with dept.
conclusions
-JL 6/20/2014

H. RECOMMENDATIONS

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	1.0	&/or	50.0
Beneficial Use Limit	N/A	&/or	17.0
System Measurement	N/A	&/or	37.0
Proof Fee Amount	N/A	&/or	100.0
Recommended Amount	N/A	&/or	17.0

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION FROM STORAGE	03/15 to 10/31	N/A	17.00 AF
IRRIGATION STORAGE	01/01 to 12/31	N/A	17.00 AF
<u>Totals:</u>		N/A	17.0 AFA

2. Recommended Amendments

___ Change P.D. as reflected above ___ Add P.D. as reflected above ☒ None

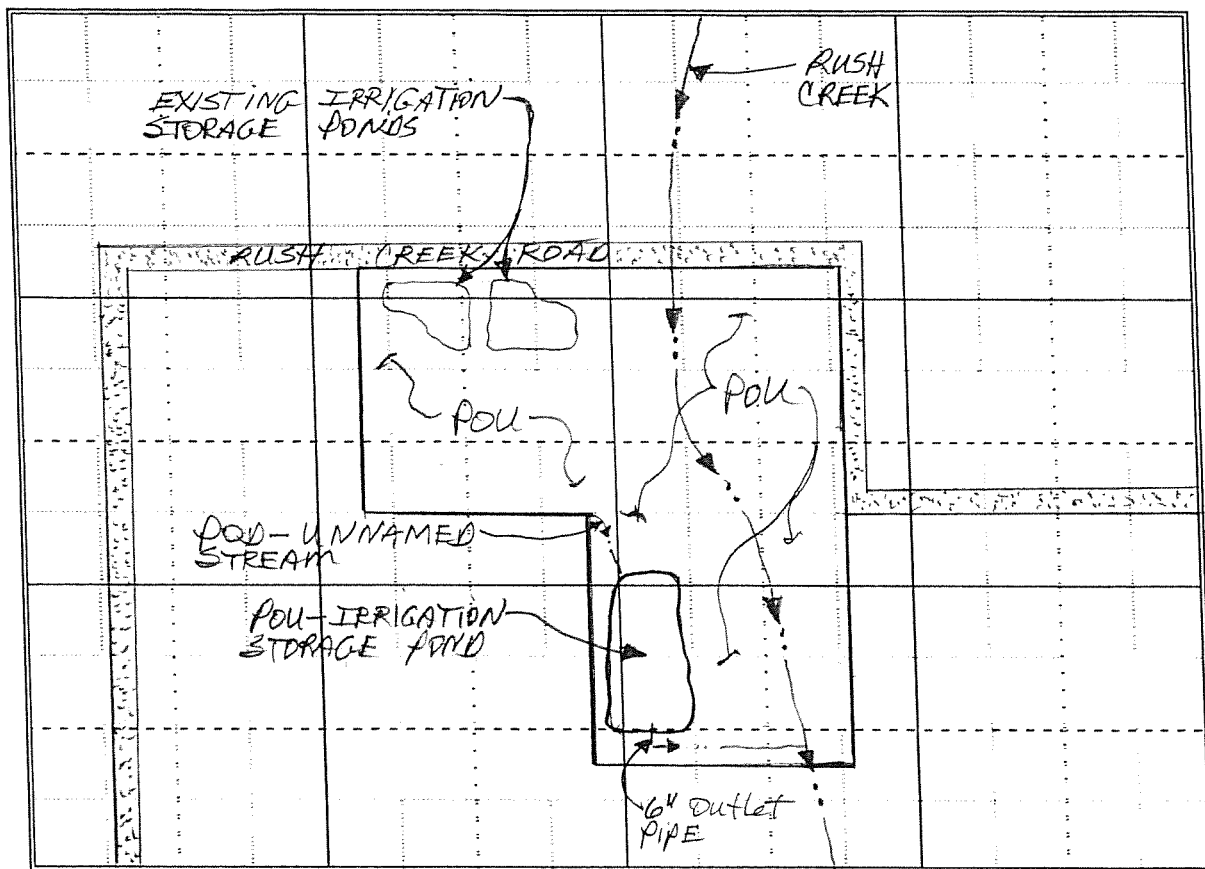
___ Change P.U. as reflected above ___ Add P.U. as reflected above ___ Other

I. AUTHENTICATION

Field Examiner's Name Rick Cunningham Date 5/12/14

Reviewer _____ Date _____

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached.



Scale: 1" = NTS

- ☐ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (**required**)
- ☒ Aerial photo attached (required for irrigation of 10+ acres)
- ☒ Photo of diversion and system attached

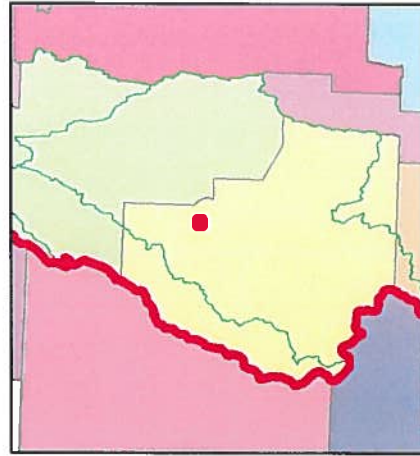


Idaho Department of Water Resources

Water Right
67-14405

(IRRIGATION FROM STORAGE)

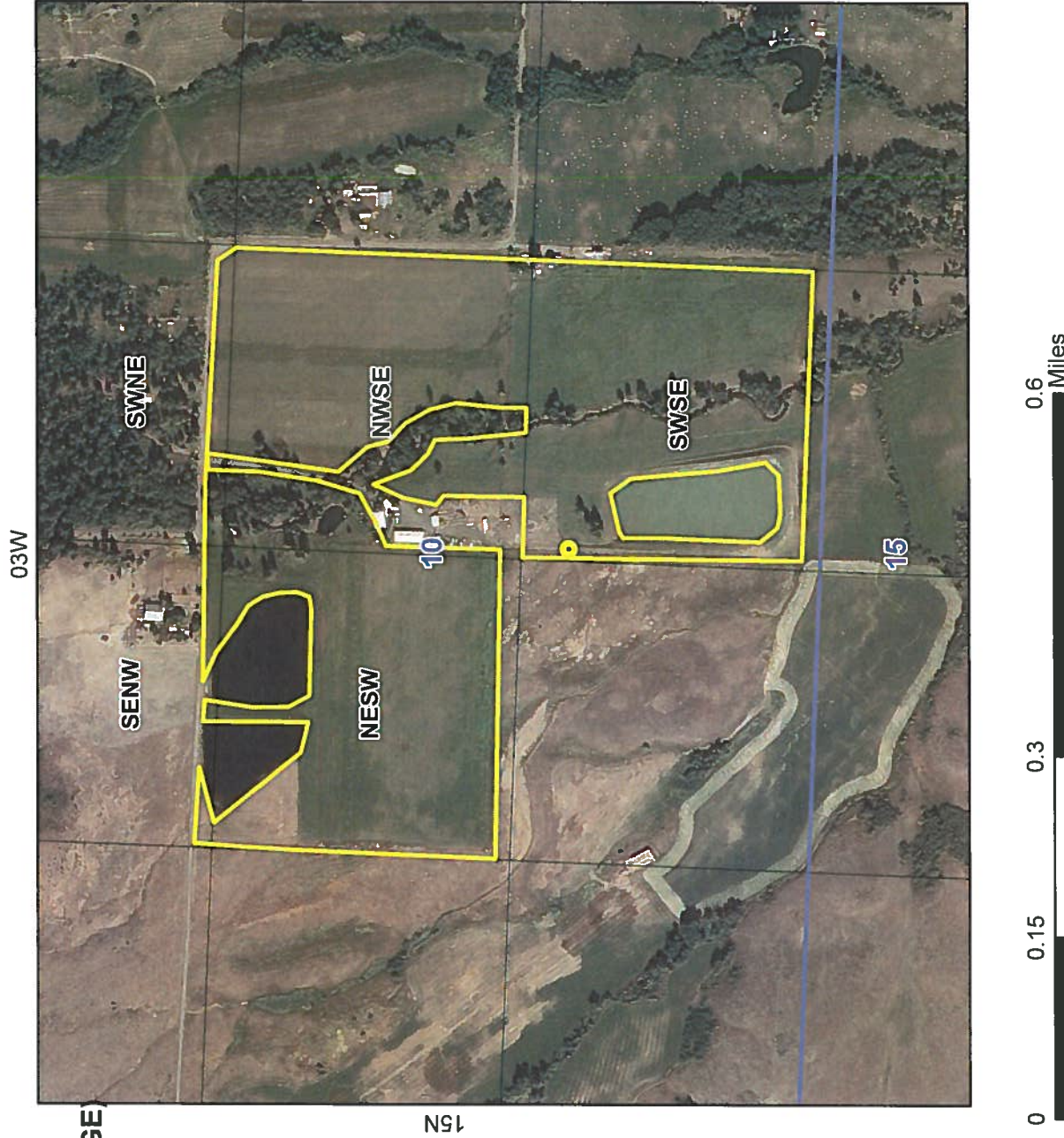
- Point of Diversion
- Place of Use
- State Outline
- Townships
- PLS Sections
- Quarter Quarters

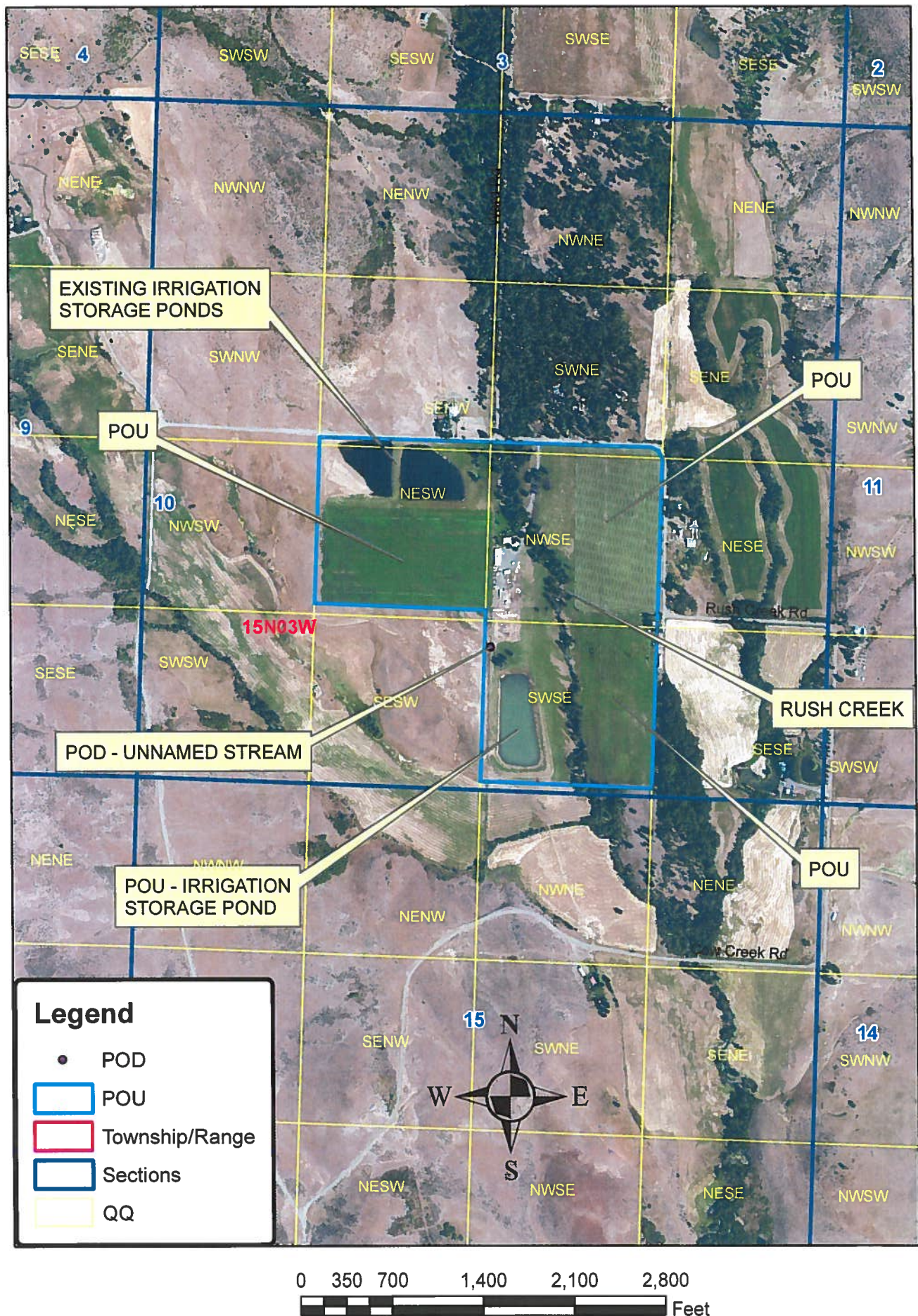


Washington County
IDWR Basin 67

Prepared by Walker, Kay

2009 Aerial Photography





FIELD EXAM PHOTOS

Water Right Permit: 67-14405

Field Exam Date: 5-20-13

PLS: SW1/4, SE1/4 Section 10, T.15N, R.03W.

Field Examiner: RC



Point of Diversion: View westerly of a screened section of 16" PVC inlet pipe diverting water from Rush Creek to discharge to an open channel.



View southerly of the discharge channel which conveys water from Rush Creek to the irrigation head gate.



Point of Diversion: View westerly of the concrete diversion structure located at the end of the discharge channel from Rush Creek. The right holder's head gate is located in the half-section of 42" CMP. A short section of 10" PVC extends from the channel to the 42" CMP.



View southeasterly of the irrigation storage pond. The maximum pond depth is 25'.



Place of Use: View easterly of a field easterly and adjacent to Rush Creek being irrigated by a wheel line.



Place of Use: View southwesterly of a field located west of and adjacent to the home site being irrigated by a wheel line.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

April 15, 2013

Kermit L. Wiggins
P.O. Box 86
Cambridge, ID 83610-0086

RE: Scheduling Field Exam for Water Right Permit No. 67-14405

We are planning to **conduct water right field examinations** in the vicinity of the above-referenced permit **during the week of May 20, 2013**. An examination is needed to verify your water use in order to issue a water right license.

Please be advised that you will need to operate your system under normal operating conditions during the examination. The permit authorizes the diversion of 1.00 cfs of surface water for irrigation of 100.0 acres and 50.0 AF of irrigation storage.

In order to conduct your exam as efficiently as possible, we ask that you call this office to schedule a day and time convenient for you. **Please call me at 208-334-2190 by May 17, 2013, to conduct the exam during the week of May 20, 2013.** If there is a problem with scheduling or conducting the examination at this time, please let me know so we can reschedule or make other arrangements.

I appreciate your attention to this matter and I look forward to hearing from you.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Collingwood". The signature is fluid and cursive, with a large, sweeping loop at the end.

Rick Collingwood, P.E.
Water Resource Agent, Sr.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190

FAX (208) 334-2348

November 5, 2002

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

Kermit Wiggins
PO Box 86
Cambridge, ID 83610

+

RE: Wiggins #3 Reservoir Storage #67-7931

Dear Mr. Wiggins:

In reference to our 10/29 conversation at your ranch regarding the #3 Reservoir storage volume, I have reviewed the entire allocation file #67-7931 from the initial application to the license field examination. Enclosed are photocopies of the documents marked in numerical sequence as the following:

#1-Original Application filed 10/1/93 for 1.0 cfs flow, 20 ac-ft storage, 260 ac. irrigation
The application was protested

#2-Amended Application filed 5/17/96; acres irrigated were reduced to 100 ac, Rush Creek exchange concept was deleted, (see comment sheet).

-- Protest Agreement is signed by parties 11/28/98

#3-Permit to Appropriate Water is approved 6/3/99 for 1 cfs flow and 20 ac-ft of reservoir storage.

#4-Proof of Beneficial Use Filed with the Department 5/25/01; \$175.00 fees paid, \$75.00 was refunded.

--- License Field Exam completed by Lori Graves 8/6/01; recommended 1 cfs flow, 20 ac-ft storage. License is pending.

I would draw to your attention; the 20 ac-ft storage volume has not been modified/changed through the allocation process. Our recent reservoir volume survey reveal a storage volume of 37.0 ac-ft to the elevation of the new auxiliary spillway, (see attached survey sheets). **If you intend to store the 37 ac-ft volume, an Application for Permit must be submitted to the Department for the additional 17 ac-ft of storage.** Enclosed are the necessary forms and instructions needed. Please submit the completed application to the Department as soon as possible.

Kermit Wiggins
RE: D67-7931
Page 2.

Please be advised that storage of water in the reservoir is not authorized. I have informed the #67 District Watermaster and Department staff of the status. If upon inspection, there is water being stored in the reservoir, the Department will issue a notice of violation (NOV) in accordance with Idaho Code 42-1701B.

Should you have any questions or need assistance in filing the application, please contact me or Lori Graves at the Western Regional Office, phone 334-2190.

Sincerely,

A handwritten signature in cursive script that reads "John Westra".

John Westra
Western Region

Enclosure
cc: IDWR State Office
Bosco Bosler, Watermaster #67



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Boise, ID 83706 - P.O. Box 83720, Boise, ID 83720-0098

Phone: (208) 327-7900 Fax: (208) 327-7866 Web Site: www.idwr.state.id.us

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

September 29, 2003

Kermit Wiggins
P.O. Box 86
Cambridge, ID 83610

RECEIVED

OCT 03 2003

WATER RESOURCES
WESTERN REGION

RE: Wiggins No. 1 Dam (Storage Authorization)
Wiggins No. 2 Dam (Storage Authorization)
Wiggins No. 3 Dam (Storage Authorization)

D67-7704
D67-7723
D67-7931

Dear Mr. Wiggins:

In accordance with Title 42, Chapter 17, Idaho Code, and the Department's Certificate of Approval, which was issued in 2003, Wiggins Dams No. 1 - 3 have been inspected and determined to be safe to impound water. Storage is hereby authorized at the dams until November 1, 2005, and is subject to the following conditions that must be adhered to:

Wiggins No. 1 Dam:

- No obstructions of any kind shall be placed in the entrance to the spillway to artificially raise the reservoir level above the spillway crest.
- A minimum of 2.5 feet of freeboard shall be maintained on the dam embankment at all times.

Wiggins No. 2 Dam:

- Boards placed in front of the spillway pipe entrance shall not exceed a height of 1.0 ft (12 inches) above the spillway crest at any time.
- A minimum of 2.5 feet of freeboard shall be maintained on the dam embankment at all times.

Wiggins No. 3 Dam:

- The maximum reservoir elevation is restricted to one (1.0) foot below the crest elevation of the auxiliary earth channel spillway, elevation 110.2 ft, according to the Department's 10/29/2002 survey. The spillway pipe must be set with a crest elevation at or below elevation 110.2 ft.

The Department's recent inspection indicated the dams are in satisfactory condition. The following maintenance is necessary to keep the dam operating safely:

- Continue to spray/cut and remove large growth (pine seedlings, willows, brush, etc.) or regrowth from all parts of the embankments and along the downstream toe areas.
- Continue to control rodents and burrowing animal activity by eradicating them as necessary and eliminating their cover. All large burrows shall be backfilled with suitable soil material, compacted in place.

Kermit Wiggins
RE: D67-7704/7723/7931
Page 2

- Monitor the upstream slopes of the embankments for erosion/benching, particularly during periods when the reservoirs are at or near full pool. Problem areas should be regraded and filled with compacted granular fill and covered with rock riprap.
- Since the Department's last survey of Wiggins No. 3 Dam on October 29, 2002, the spillway pipe has been turned up so that the crest elevation of the pipe is now higher than the crest of the auxiliary earth channel spillway. The pipe must be turned down so that the maximum reservoir level is controlled by the pipe and does not exceed elevation 110.2 feet (1.0 ft below the crest of the earth channel spillway). This is required to keep the dam classified as a small dam, so that an engineering design is not required for construction of the dam.
- Your letter of March 12, 2002 indicated that the spillway pipe at Wiggins No. 2 Dam is approximately 6 inches lower than the pipe on the left (north) abutment of the dam, and that a board is used to keep the spillway at the same elevation to maximize storage in the reservoir. According to our survey of 4/16/2002, the elevation of the spillway pipe crest is 107.6 feet and the elevation of the culvert under the county road is 108.6 ft., which is 1.0 ft difference. The Department will allow you to put a board in front of the spillway pipe; however, it cannot extend more than 1.0 ft (12 inches) above the spillway pipe crest, refer to the conditions for Wiggins No. 2 Dam outlined above. At the time of inspection, the board in front of the spillway pipe was completely covering the entrance. **Therefore, you must immediately remove the board in front of the spillway pipe and replace it with a board that leaves at least the top 12 inches of the spillway pipe entrance visible.**

The Department will continue to examine your projects approximately every two years to evaluate their condition and the performance of maintenance, and an approval letter will be issued authorizing storage at the dams, if they are in satisfactory condition. You will be advised of the time of the inspection prior to re-examination, and you are encouraged to attend and participate.

Should you have any questions, please contact John Westra, phone 334-2190, in our Western Regional Office, or contact Mike Stubblefield, phone 327-7952, in the State Office in Boise.

Sincerely,


Guy E. Paul, P.E.
Chief, Resource Protection Bureau

✓cc: IDWR – Western Region