

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 35-13917

Exam Date: 3/6/2015

1. Current Owner: GROVELAND WATER & SEWER DISTRICT
PO BOX 833
BLACKFOOT ID 83221
(208)785-4902
2. Accompanied by: Clem Yancey
Phone No: 208-785-4902
Address: 375 W 150 N, Blackfoot ID, 83221
Relationship to Permit Holder: Board member

3. **SOURCE****TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 35-8354
2. Other water rights with the same point of diversion: 35-8354, 35-13918 (permit-proof not filed yet)

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

GROUND WATER

NW1/4SW1/4

Sec. 28, Twp 02S, Rge 35E, B.M.

BINGHAM County

Method of Determination: GPS and aerial photography

2.

PLACE OF USE: DOMESTIC

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>	
02S	35E	28							X	X	X	X		X					

Method of Determination: Aerial photography

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.

Well or Diversion**ID No.*****Motor Make****Hp**

A0012150

U.S. Electric Motors

30.0

D. FLOW MEASUREMENTS

Measurements:

2008 measurement taken using a Fuji Ultrasonic Flow meter.

E. FLOW CALCULATIONS

___x___ Additional Computation Sheets Attached

Measured Method:

A 2008 measurement conducted by WD 120 staff was used for the flow calculation. The Department's Water Measurement Information System (WMIS) for record # 200100 shows 500 gallons per minute (1.11 cfs) being diverted from the point of diversion described under this right. Rights 35-8354 and 35-13917 are limited to 1.06 cfs. During the field exam, the pump turned on and the installed flow meter showed approximately 500 gallons per minute being pumped.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

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

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

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

2. Volume Calculations for Other Uses:

Domestic use is for irrigation up to ½ acre associated with 42 homes described under right 35-8354.

42 homes w/irrigation X 0.6 acre-feet = 25.2 acre-feet.

G. NARRATIVE/REMARKS/COMMENTS

The domestic use authorized under this right is for irrigation up to ½ acre of lawn, garden and landscaping associated with 42 homes receiving water for in-house use under right 35-8354. One 30 hp pump pumps water into a 6,000 gallon storage tank. Water is then delivered through mainline to provide water for 42 homes. Rights 35-8354 and 35-13917 are limited to 1.06 cfs.

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>
DOMESTIC	01/01 to 12/31	0.420 CFS	25.20 AF
<u>Totals:</u>		0.420 CFS	25.20 AF

2. Recommended Amendments

___Change P.D. as reflected above ___Add P.D. as reflected above ☒ None

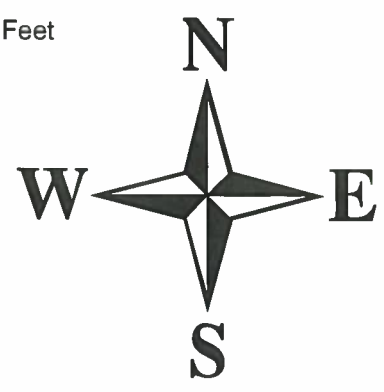
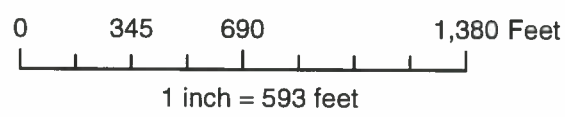
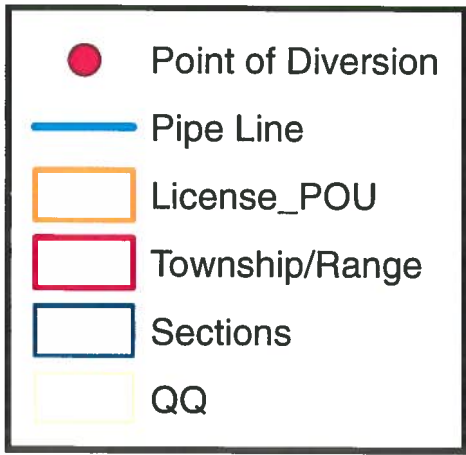
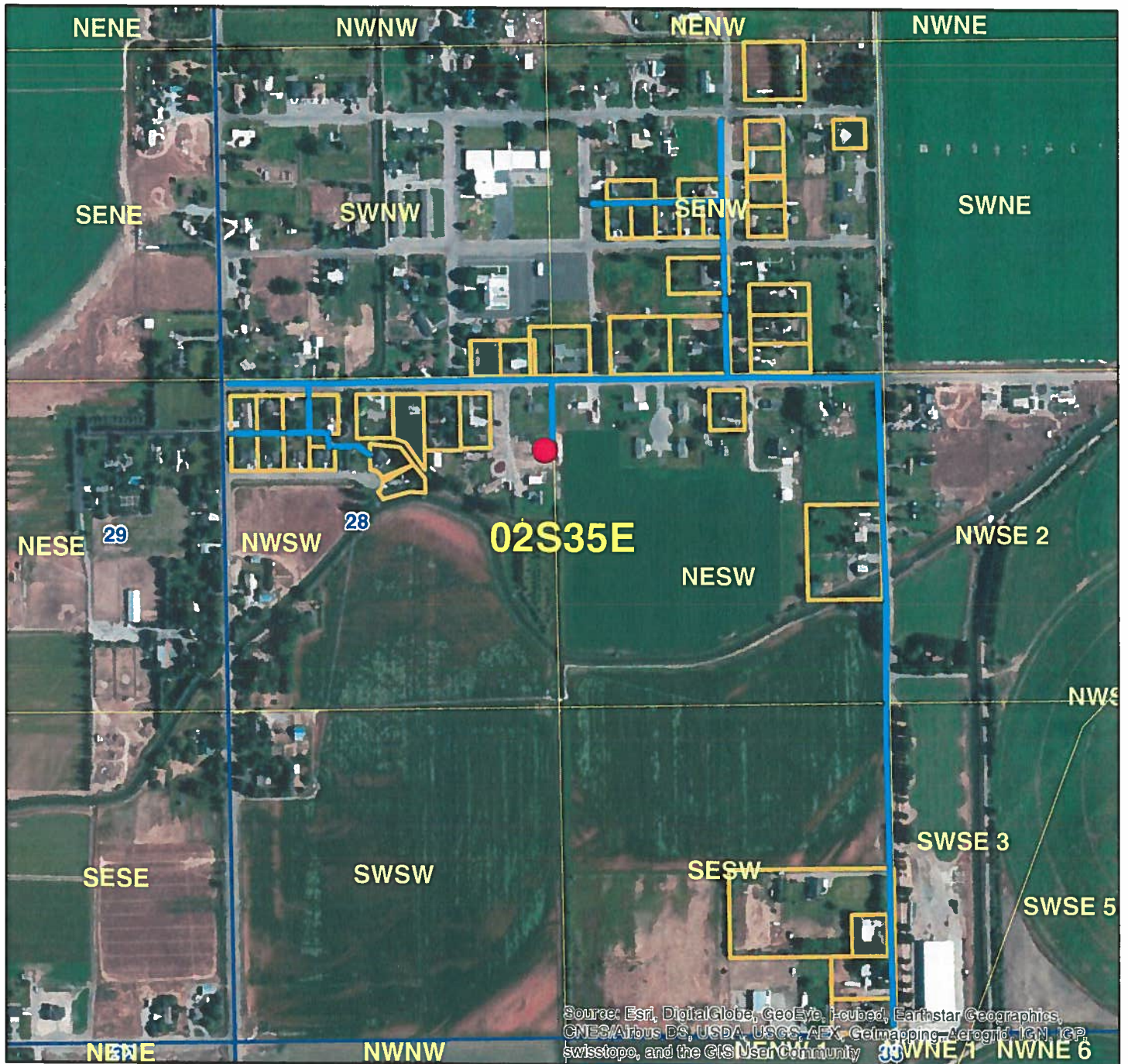
___Change P.U. as reflected above ___Add P.U. as reflected above ___Other

I. AUTHENTICATION

Field Examiner's Name Blake Jordan Date 3/6/2015

Reviewer _____ Date _____

35-13917



35-13917

30 hp pump



6,000 gallon storage tank

35-13917

Flow meter



Idaho Department of Water Resources



Quick Search:

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assistance,
email
WMIS Info](#)

Search Method:

WMIS Number

WMIS Number

200100

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Point Of Diversion

You are viewing 200100; E0007278

[Edit](#) WMIS Number 200100 Network Well No
Reporting District Water District 120 Access Power Yes
Measurement Option Flowmeter (8) Water District 120
Metal Tag Number E0007278 Tag Location pump
Followup Date 06/01/2014 Comments
Diversion Name

[Search Water Rights](#)[Contacts](#) [PLSS](#) [Spatial Data](#) [Water Source](#) [Water Rights](#)

Basin	Sequence	Suffix	Total Acres	Acre Limit	Basis	Priority Date	Diversion Rate	Diversion Volume	Water Use
35	8354				License	11/01/84	1.06	25.2	DOMESTIC
35	13750		6		Decreed	04/28/80	0.12	24	IRRIGATION
35	13917					03/16/09	0.42		DOMESTIC
35	13918					03/24/09	0.48		MUNICIPAL

Idaho Department of Water Resources



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Site Visits

You are viewing 200100; E0007278

[Click here to insert a new record.](#)

Edit	Delete	Report Year 2008	Visit Date 08/25/2008	Examiner GHANSEN	Reason for Visit Flowmeter Calibration
		Comments System is a VFD designed to operate at 520 gpm at 60psi. Pump would start, run at approx 500 gpm for only a minute or two, then throttle down as pressure went up. At close to design pressure, only 7 gpm was flowing. Had operator open a fire hydrant at a low flow so that system would operate at a constant velocity. When operating at full flow, Fuji showed 500 gpm and RATE on flow meter showed 490 gpm. Operator was asked to return a yearly report form. It will need to be sent to him.			
Edit	Delete	Report Year 2005	Visit Date 11/07/2005	Examiner JTOMSETT	Reason for Visit Other
		Comments On August 19th, I met with Blaine to do a Q-meter calibration. Several issues prevented getting a calibration. First, the pump was cycling on for only 3-4 minutes at a time. Second, I was having a lot of trouble getting the printer to print out right, so I tried setting the data logger. Third, the Data logger failed to stop at the set time. The data logger screen continued to say that it was "sampling" hours past the set end time, which was indicated at the top of the "sampling" screen! I double-checked the time and date with my watch and then interval-they were all okay. I am aware however, that I stated it really close to the set start time, so it could be that I pressed "start" just milliseconds after its internal clock tuned to the set start time. Otherwise, the software must have had a bug in it. I've tried calling Blaine may times since then. He called me back once and left a message after he got back from a camping trip. We've not been able to cross ends since our first meeti			
Edit	Delete	Report Year 2002	Visit Date 05/30/2002	Examiner MHOLLIDAY	Reason for Visit Flowmeter Calibration
		Comments PUMP WOULD NOT STAY ON FOR MORE THAN 5 MINUTES AT A TIME.			
Edit	Delete	Report Year 1999	Visit Date 07/28/1999	Examiner SMUELLER	Reason for Visit Flowmeter Calibration
		Comments GOT GOOD FLOW MEASUREMENT. FOLLOW-UP 2002.			
Edit	Delete	Report Year 1998	Visit Date 11/05/1998	Examiner LROUNDS	Reason for Visit Routine
		Comments BLAINE BURKMAN 785-7263 (OPERATOR) LARRY JORGENSON 7785-1246 (OPERATOR) 52 HOMES, POWER METER SUPPLIES POWER TO LIGHTS AND HEATER.			

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Flow Meter Calibrations

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Edit	Delete	Calibration Date/Time:	08/25/2008	Factor:	0.90
		Installed Meter Data:		Standard Meter Data:	
		Installed Meter Flow:	155.00	Standard Meter Flow:	140.10
		Rate Unit:	GPM	Rate Unit:	GPM
		Rate Multiplier:	1.0000	Pipe Material:	DUCTILE IRON
		Volume Multiplier:	100.0000	Outside Diameter (Inches):	9.07
		Volume Unit:	GAL	Wall Thickness (Inches):	0.37
		Location:	EXCL	Downstream Distance (feet):	3.00
		Comments:		Upstream Distance (feet):	5.00
		VFD system designed to produce 520 gpm at 60 psi. Opened fire hydrant to obtain constant low flow for calibration.		Calibration Confidence:	POOR
		Installed Meter Information:		Installation Date:	
		Manufacturer:	MCCROMETER	Serial Number:	85 8 1651
		Model Number:		Other Well:	
		Meter Type:	PROPELLER		
Edit	Delete	Calibration Date/Time:	05/30/2002	Factor:	0.94
		Installed Meter Data:		Standard Meter Data:	
		Installed Meter Flow:	475.00	Standard Meter Flow:	448.00
		Rate Unit:	GPM	Rate Unit:	GPM
		Rate Multiplier:	1.0000	Pipe Material:	DUCTILE IRON
		Volume Multiplier:	100.0000	Outside Diameter (Inches):	9.07
		Volume Unit:	GAL	Wall Thickness (Inches):	0.35
		Location:	GOOD	Downstream Distance (feet):	1.00
		Comments:		Upstream Distance (feet):	5.00
				Calibration Confidence:	FAIR
		Installed Meter Information:		Installation Date:	
		Manufacturer:	MCCROMETER	Serial Number:	85 8 1651
		Model Number:		Other Well:	
		Meter Type:	PROPELLER		
Edit	Delete	Calibration Date/Time:	07/28/1999	Factor:	0.93
		Installed Meter Data:		Standard Meter Data:	
		Installed Meter Flow:	470.00	Standard Meter Flow:	435.40
		Rate Unit:	GPM	Rate Unit:	GPM
		Rate Multiplier:	1.0000	Pipe Material:	DUCTILE IRON
		Volume Multiplier:	1.0000	Outside Diameter (Inches):	9.08
		Volume Unit:	GAL	Wall Thickness (Inches):	0.36
		Location:		Downstream Distance (feet):	5.00
		Comments:		Upstream Distance (feet):	5.00
				Calibration Confidence:	FAIR
		Installed Meter Information:		Installation Date:	
		Manufacturer:	MCCROMETER	Serial Number:	85 8 1651
		Model Number:		Other Well:	

Idaho Department of Water Resources

WMIS
Water Management Information System

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[Other](#) [Logout](#)**Data Summary**

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Report Year	Alternate	FM	PCC	Time Clock
2014		79.02		
2013		79.84		
2012		73.26		
2011		68.72		
2010		72.51		
2009		64.90		
2008		97.84		
2007		102.21		
2006		90.34		
2005		78.77		
2004		91.81		
2003		100.86		
2002		97.80		
2001		104.45		
2000		102.36		
1999		45.88		
1998				

INCORPORATED UNDER THE LAWS OF IDAHO

FEBRUARY 11, 1888

No. 1174

5

Shares

The Riverside Canal Company

THIS STOCK IS ASSESSABLE

CAPITAL STOCK \$45,000.00

THIS
CERTIFICATE
THAT

Groveland Water and Sewer District

is the owner of

Five

Shares of the Capital Stock of

THE RIVERSIDE CANAL COMPANY

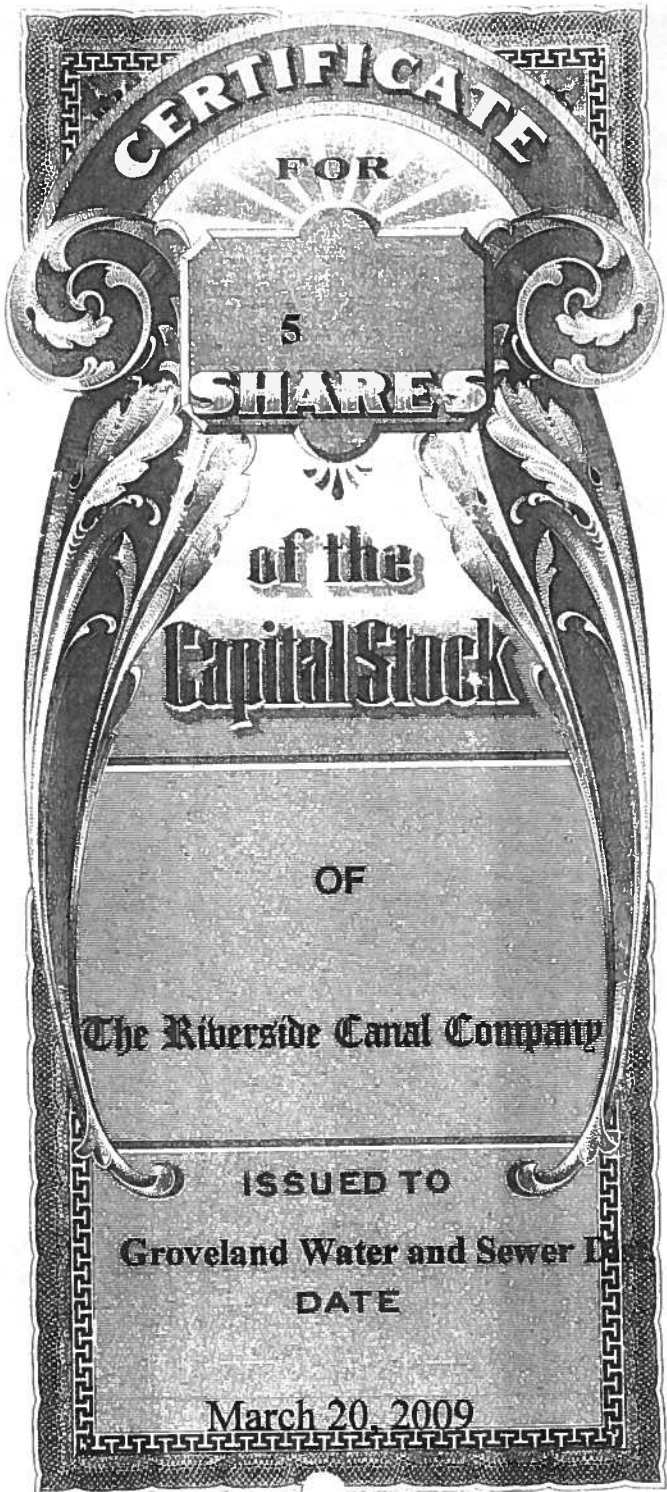
transferable only on the books of the Corporation by the holder hereof in person or by Attorney upon surrender of this Certificate properly endorsed.

IN WITNESS WHEREOF, the said Corporation has caused this Certificate to be signed by its duly authorized officers and its Corporate Seal to be hereunto affixed this 12 day of March A.D. 1909

SHARES

\$30.00

EACH



NOTICE. THE SIGNATURE OF THIS ASSIGNMENT
MUST CORRESPOND WITH THE NAME AS WRITTEN UPON THE
FACE OF THE CERTIFICATE IN EVERY PARTICULAR WITHOUT
ALTERATION OR ENLARGEMENT, OR ANY CHANGE WHATSOEVER.

The Nature Received. — *freely, sold, assign, and transfer*
write _____ *Shares*

of the Capital Stock represented by the within
Certificate, and do hereby, irrevocably, constitute and appoint
to transfer the said Stock on the books of the within named
Corporation, with full power of substitution, in the premises.

Dated _____ *19* _____
By _____ *President of*

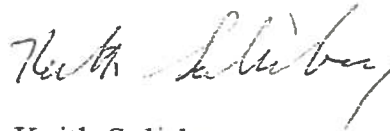
To Whom It May Concern:

I am writing this for Clem Yancey to show our support as the Riverside Canal Company strongly supports the efforts of Clem to recover the surface water lost from the canal through seepage and losses from flood irrigation practices into the aquifer. For several years, the canals used a lot of water when most of the area was flood irrigated, and after the spring runoff was through, the fields were saturated and by August used less water because of the sub water was high enough to make it through the heat of the summer. Then as more lands were irrigated through sprinklers, there was more efficient use of water to the crops but less was lost to the aquifer and those of us who still flood irrigated found it harder to get the water to make it to the ends of fields in the heat of the summer and had to water more frequently and the sub water was harder to maintain in mid-summer. However, little attention was paid to flood irrigators since better crops could be produced by sprinkler irrigation and several years of drought forced many to convert better ground to pivot irrigation that put even less water for crops and even less loss to the aquifer, and the aquifer went down.

There is still a lot of ground under the Riverside service area that is flood irrigated though, and it is my opinion that using more water applied to this ground helps keep the water in our area by losing a lot to the aquifer for others to utilize over again either from deep wells or people for domestic purposes. Another thing that utilizing this water in this way is it adds value to our water in the Riverside Canal. The more times water can be used before lost to the aquifer then it adds a considerable amount of value to it.

If there is anything that I or the Board of Directors of the Riverside Canal Company can do in the future to help Clem in all that he is doing to reclaim this water, we would be happy to do so.

Sincerely,

A handwritten signature in dark ink, appearing to read "Keith Salisbury", written in a cursive style.

Keith Salisbury
President of the Riverside Canal Co.

RECEIVED

APR 15 2010

DEPARTMENT OF
WATER RESOURCES

WA

April 12, 2010

Darla Block
Technical Records Specialist
Water Allocation Bureau
State of Idaho Department of Water Resources
P. O. Box 83720
Boise, ID 83720-0098

RE: Water Right Permit No. 35-13917

Dear Ms. Block:

On December 11, 2009 Groveland Water and Sewer District received your letter informing us that we needed to comply with condition no. 12 and condition no. 6 of Permit to Appropriate Water.

Please find enclosed a letter from Bingham Groundwater District dated March 22, 2010 stating that Groveland Water and Sewer District has been annexed into the Bingham Groundwater District.

In relation to condition no. 6, we already have a lockable device to give the watermaster suitable control of the diversion.

I am enclosing the original form and the evidence of a mitigation plan.

Please contact me at (208) 785-4902, if you have any questions.

Sincerely,



Clem Yancey
Board Member
Groveland Water and Sewer District

Enclosures 5

BINGHAM
GROUNDWATER
DISTRICT

P.O. BOX 1268
1725 Riverton Road
Blackfoot, Idaho 83221

Phone (208) 684-9634
Fax (208) 785-4299
binghamgwd@hotmail.com

March 22, 2010

Mr. Clem Yancy
Groveland Water & Sewer District
P.O. Box 833
Blackfoot, ID 83221

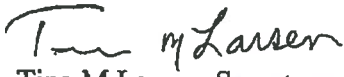
Dear Mr. Yancy:

The Bingham Ground Water District held a hearing March 11, 2010, annexing the Groveland Water & Sewer District as a patron of the Bingham Ground Water District. The annexation included the following water rights: 35-13918-02S 35E 28 NW SW, 35-08354-02S 35E 28 NW SW, 35-13917-02S 35E 28 NW SW, 35-08662-03S 35E 05 NE NW LT 8.

Attached is the assessment for 2010. Assessments are billed one year in advance and are sent on a yearly basis on or before December 1 of each year.

If you should have any questions, please do not hesitate to call (208) 684-9634.

Cordially,



Tina M Larsen, Secretary

Enclosure