



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

April 25, 2017

FREMONT-MADISON IRRIGATION DISTRICT
CO DALE SWENSEN
PO BOX 156
ST ANTHONY ID 83445

**RE: APPLICATION TO RENT WATER FROM THE WATER SUPPLY BANK
WATER RIGHT NOS. 21-72C and 21-13060**

Dear Applicant:

On June 5, 2016, you submitted a rental application which requested rights 21-72C and 21-13060. On April 17, 2017 the Green Family Trust submitted a lease release form for those right. Consequently they are no longer available to rent and we are returning your rental application.

If you wish to rent water in the future, please reapply using forms from the Department's website at www.idwr.idaho.gov. If you have any questions regarding this matter, please contact me at (208) 287-4881. It was a pleasure working with you.

Sincerely,

A handwritten signature in black ink that reads "Sandra Thiel".

Sandra Thiel
Senior Water Resource Agent

Enclosure: Rental application

STATE OF IDAHO
WATER RESOURCE BOARD

APPLICATION TO RENT WATER FROM THE BOARD'S WATER SUPPLY BANK

Applicant Name: Fremont-Madison Irrigation District

Is this application being submitted with a lease application as a lease/rental package? Yes ☒ No ☐
If yes, specify companion water rights in Section 4

This application must be completed according to the minimum requirement checklist below. This checklist is part of the rental application and must be included with the rental application. **Applications that do not meet the minimum requirements will not be placed in the processing queue and may be returned until all minimum requirements have been met.**

Rental applications should be submitted well in advance of the desired start date for the use of rental water. Rental applications may be processed as early as November 1 of the year prior to the intended use of rental water. Any rental application received on or before November 1 for use in the next year will be assigned a received date of November 1. Rental applications submitted more than one year in advance of the proposed start date for the use of rental water will not be accepted and will be returned to applicants. Rental applications may be returned to applicants if the desired start date for the use of rental water cannot be accommodated by the Water Supply Bank. Rental requests will not be accepted once the rental season of use period has concluded.

One rental application per beneficial use of water. For multiple beneficial uses of water, separate rental requests should be submitted for each unique beneficial use of water. One rental application can be submitted if you propose to rent water from multiple sources.

For additional instructions on completing a rental application, visit the Bank's website at http://idwr.idaho.gov/water_supply_bank.

MINIMUM REQUIREMENT CHECKLIST			
Check All Items as Either Attached (Yes) or Not Applicable (N/A)			
Yes ☒ Completed <i>Application to Rent Water from the Board's Water Supply Bank</i> ☒ Confirmation that this form has been printed single sided, per requirement of the Water Supply Bank			
Attachment	N/A	Yes	
2		☒	A map showing the proposed point(s) of diversion, place(s) of use, and water diversion and distribution systems proposed to be used with your rental request
3A	☐	☒	Detailed information on a proposed use of rental water
3F	☐	☒	Authorization from the owner/operator of the rental point(s) of diversion
3H	☒	☐	Water modeling to account for the impacts of the rental request
3J	☒	☐	Documents justifying a rate of flow greater than 0.02 cfs/acre
3K	☐	☒	Authorization from the owner/operator of the property at the proposed rental place(s) of use
4B	☐	☒	Explanation of how the rental water will sufficiently accomplish your rental purposes
4C	☐	☒	Explanation of consumptive use amounts for water rights experiencing a change in nature of use

Department Use Only – Proposed Water Right(s)
21-72C
21-13060

STATE OF IDAHO
WATER RESOURCE BOARD

Application to Rent Water (Continued)

1. CONTACT INFORMATION

A. Applicant Fremont-Madison Irrigation District

Mailing Address P.O. Box 15, St. Anthony, ID 83445

Street City State Zip Code
Email Address fmid@myidahomail.com Phone Number 208-624-3381

B. Is this application being completed by an authorized representative on behalf of the applicant? Yes ☒ No ☐
If yes, representatives (includes company employees if the applicant is a corporation, as well as legal counsel or consultants) should provide their information below if they desire to be included on correspondence with the rental applicant.

Representative Dale L. Swensen

Professional Title Executive Director

Organization Fremont-Madison Irrigation District

Relationship to Applicant employee

Mailing Address P.O. Box 15, St. Anthony, ID 83445

Email Address fmid@myidahomail.com Phone Number 208-624-3381

2. MAP

Create a map of the proposed point(s) of diversion, place(s) of use and water diversion, delivery and distribution systems. Make sure the rental place of use is outlined and annotated with legal land descriptions (Township, Range, Section and Quarter-Quarters) or with GPS coordinates. For irrigation purposes, mark the number of acres you desire to irrigate. Attach the map to this application and label it **Attachment 2**.

3. DESCRIPTION OF PROPOSED USE FOR RENTAL WATER

A. Describe why you desire to rent water and provide a detailed description of your proposed use. If the proposed use is not for irrigation, describe in detail how you determined the amount of rental water required. If the space below is insufficient, attach additional sheets as required and label them **Attachment 3A**:

Purpose of this rental request is to recharge up to 562 acre feet at the Hughes Pond to provide for mitigation of groundwater wells located within Fremont-Madison Irrigation District and Madison Groundwater District.

B. Enter the desired and/or minimum rates of flow, volume, or irrigable acres requested for your rental purposes:

Desired Rate (Cubic Feet/Second)	Desired Volume (Acre-Foot)	Minimum Rate* (Cubic Feet/Second)	Minimum Volume* (Acre-Foot)	Desired Acres (if applicable)
CFS	562 AF	CFS	AF	AC

* Sometimes water rights provide an exceptionally low rate per acre and/or low volume per acre. This section is meant to establish an acceptable range of water sufficient for your proposed water use. Please see question 4B and complete if necessary.

C. This section must be completed in full. Enter the proposed start date and latest possible start date for using rental water as well as the number of years you would like to rent water. The latest possible start is the latest possible date by which you would be willing to pay for a rental and be able to benefit from utilizing rental water.

Desired Start Date (month/day/year)	Latest Possible Start Date (month/day/year)	*Mark Desired Rental Duration (Calendar Years)					**Applicant's preference if rental application cannot be processed prior to the latest possible start?	
April 1, 2016	June 15, 2016	☒ 1	☒ 2	☒ 3	☒ 4	☒ 5	☒ Process application as soon as possible	☐ Return application to applicant

* The number of years permissible for a rental is subject to the lease contract duration for the water right(s) being rented.

** Per Idaho Code 42-201, it is unlawful to divert or use water without a valid water right. Water Supply Bank rental applicants are not authorized to utilize rental water prior to the execution of an approved rental agreement. Rental requests may be returned to applicants if no water is available from the Bank to fulfill a rental request.

STATE OF IDAHO
WATER RESOURCE BOARD

Application to Rent Water (Continued)

- D. Describe your water distribution system and how rental water will be delivered from the point(s) of diversion (POD) to the proposed place of use (POU):

Water will be diverted from Fall River into the East Branch Fall River Canal, down an earthen channel to the Hughes Pond where the water will be measured for recharge.

- E. Describe the physical type (pump, headgate, etc.) and location of the POD from which rental water is proposed to be diverted:

POD Description	Water Source	Other Water Rights Diverted from this POD
Headgate	Fall River	21-12953, 21-12956

If the POD(s) above are located where water is turned into a canal, lateral or ditch, or if they are located on your property but are serviced by water that is delivered via a canal, lateral or ditch, your rental request must include documented authorization from all relevant canal companies, irrigation districts and/or water delivery entities, confirming that they consent to your diversion of water from their system.

- F. Has documented consent from all relevant water delivery entities been obtained? Yes ☒ N/A ☐
If yes, include documented consent as Attachment 3F.

- G. Do any POD(s) identified in Question 3E divert from a water source that may require water modeling? Yes ☐ No ☒
Refer to the Water Modeling Requirements Information Sheet to determine if a rental POD may require water modeling.

- H. Has water modeling been provided with your rental request? Yes ☐ N/A ☒
If yes, label modeling Attachment 3 H.
Rental applications that require modeling will be returned if modeling is not provided.

- I. Specify the desired beneficial use of water and the requested season of use or number of acres required:

- ☐ Irrigation _____ (number of acres) Duration: Subject to IDWR standard seasons of use
- ☐ Commercial from: _____ (mm/dd) to: _____ (mm/dd)
- ☐ Stockwater from: _____ (mm/dd) to: _____ (mm/dd)
- ☐ Industrial from: _____ (mm/dd) to: _____ (mm/dd)
- ☒ Other: Recharge from: 04/01 (mm/dd) to: 11/01 (mm/dd)

- J. For irrigation uses, do you propose to divert water at a rate greater than 0.02 cfs/acre? N/A ☒ Yes ☐ No ☐
If yes, justify the rate of flow and attach any supporting documents as Attachment 3J. Justification may include information on soil composition, conveyance losses, crop type, irrigation systems, public access areas, etc. A rate of 0.03 cfs/acre is permissible for irrigation of 5 acres or less.

- K. Do you own the land at the proposed rental place of use (POU)? Yes ☐ No ☒
If no, attach documentation from the POU owner/operator confirming your authorization to use the POU and label it Attachment 3K.

- L. List all other water rights and sources of water at the rental place of use for the same purpose, including privately owned water rights and water received from a municipal supplier, an irrigation district, a canal company or any other water delivery entity. Explain why additional water is required:

STATE OF IDAHO
WATER RESOURCE BOARD

Application to Rent Water (Continued)

4. RENTAL REQUESTS FOR SPECIFIC WATER RIGHTS

A. Are you requesting to rent specific water rights?

Yes ☒ No ☐

If yes, specify below the elements of the water rights you are requesting to rent. If no, continue to Question 4B.

Important Information: Diversion rates and volumes sought for rent must be proportionate to the per acre diversion rates and per acre volume limits of the water right under lease contract to the Water Supply Bank. Prior to completing this section, applicants should review all water right lease contracts and any active rental agreements to determine which elements of a water right are available to satisfy a rental request. Lease and rental documents are searchable via [IDWR's website](#).

Water rights identified below must either already be leased to the Bank or a lease proposal should accompany this rental request. **Rental requests for water rights not yet leased to the Bank will be returned if companion lease applications are not provided with the rental request.** For leased rights featuring combined limits, rentals must be consistent with combined diversion rate, volume or acre limits. Combined limits should be listed on a row below water right numbers.

Water Right Elements Leased to Water Supply Bank					Leased totals, minus water right elements involved in active rental agreements, equals water right elements available for rent	Water Supply Bank Rental Request		
Water Right Number (leave blank if sub-total of combined limits)	Nature of Use	Diversion Rate (CFS)	Volume (AF)	Acres (AC)		Diversion Rate (CFS)	Volume (AF)	Acres (AC)
21-72C	Recharge	3.0						
21-13060	Recharge	.61	562	160.6				
Applicants must ensure the requested rate per acre and volume per acre do not exceed the rate per acre and volume per acre limits of water rights leased to the Water Supply Bank					TOTAL	3.61	562	160.6
						CFS	AF	AC

*Attach multiple copies of this page if space above is insufficient to list all water rights requested to be rented on this application.

B. If water right conditions, combined limits, or the sum of all water right elements being requested provide an unconventional duty of water (e.g., an unusually low rate per acre or volume per acre for irrigation use), explain how your proposed rental will sufficiently accomplish your intended purposes. Attach a separate page if space is insufficient and label it **Attachment 4B**:

C. Does your rental request propose to change the nature of use for any water right(s) being rented?

Yes ☒ No ☐

If yes, explain how the water right(s) will be converted to new uses. Include the historic, consumptive use amounts for the water right being rented if you have it, as well as the new consumptive use amount for your proposed beneficial use. If space below is insufficient, attach a separate page and label it **Attachment 4C**:

160.6 acres of land irrigated by leased water rights held by the Ron Green Family Trust are being dried up. The duty of water in that area is 3.5 acre feet per acre which equates to 562 acre feet.

STATE OF IDAHO
WATER RESOURCE BOARD

Application to Rent Water (Continued)

5. ADDITIONAL INFORMATION

- A. Is this the first time that rental water is being requested for this purpose at the rental place of use? Yes ☒ No ☐
If no, list previous rental requests/agreements and explain why you have not secured a permanent water right for your needs:

- B. Have you or do you intend to submit an application for permit or transfer proposing a similar use as this rental? Yes ☐ No ☒
If yes, describe:

- C. Was this rental application submitted in response to a Notice of Violation (NOV) or a pending NOV? Yes ☐ No ☒
If yes, describe the date and location of the NOV.

- D. Additional Information

DECLARATION

I hereby assert that the information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval. I understand that if this rental application is approved, it will be subject to the provisions of Section 42-1766, Idaho Code and all applicable state and federal laws. I understand that the submission of a rental application provides no guarantee for approval of a rental agreement. I also understand that, per Idaho Code 42-201, it is unlawful to divert or use water without a valid water right and that I am not authorized to utilize water as proposed in this application prior to the execution of an approved rental agreement.

Dale L. Swensen
Signature of Applicant

Dale L. Swensen
Printed Name of Applicant

June 3, 2016
Date

Signature of Representative

Printed Name of Representative

Date

Mail to:

Idaho Department of Water Resources
P.O. Box 83720
Boise, ID 83720-0098

APPLICATION TO RENT WATER
ATTACHMENT 3E

Authorization from the owner/operator of the rental point(s) of diversion

This attachment is authorization from Southeast Idaho Canal Company for Fremont-Madison Irrigation District to utilize the canal company's point of diversion and canals to conduct recharge activities at the place of use known as Hughes Pond. The point of diversion, canals, and place of use are all identified on Attachment 1.



Dale L. Swensen

Secretary/Treasurer, Southeast Idaho Canal Company

ATTACHMENT 3K

Authorization from the owner of the property at the proposed rental place of use

I declare that I am the owner of the particular parcel of land known as Hughes Pond and I hereby give permission for Fremont-Madison Irrigation District to use Hughes Pond as a recharge site.

Faun Hughes June 1st 2016
Faun Hughes, Owner

MEMORANDUM

To: Rights 21-13060 and 21-72C

From: Sandra Thiel

Date: March 14, 2017

Re: Review & Analysis of the Green Family Trust's Application to Lease Water & Fremont Madison Irrigation District's application to Rent Water from the State Water Supply Bank

PURPOSE/NARRATIVE: On March 22, 2016, The Green Family Trust (Trust) submitted an application to lease water to the Bank. Initially these rights were intended to be part of a recharge rental for the Egin Bench. The Department accepted rights 21-13060 and 21-72C into the Bank for years 2016 through 2020. After extensive Departmental review and discussion, it was decided that the two Greene Family Trust water rights would not become part of the Fremont Madison Irrigation District (FMID) Egin Bench recharge rental.

The rental will share a point of diversion with rights 21-12956 and 21-12953. Combined these rights provide 418.18 cfs for 14,754 acres or 0.028 cfs per acre. These rights are also for stockwater and sub-irrigation; however they are not additive. This provides us with an estimate of the carriage water required to deliver water to Paradise Pond.

On June 16, 2016, FMID submitted an application to rent the Trust's water. The purpose of this rental is to provide mitigation for wells with in FMID and the Madison Ground Water District. Because the Department received the application in June it was not processed for the 2016 season. On February 1, 2017, the Department sent a letter to Fremont-Madison and Dale Swenson requesting additional information (see attachment). On February 17, Mr. Swenson responded via email. The documents described how water is delivered to the pond and the system they intend to install to measure the water.

An accompanying letter states that water will be delivered to the pond beginning April 1st at six acre feet per day and will continue until downstream irrigation demand requires the water or until the June 1, 1896 decree date is out of priority whichever occurs first. The letter goes on to say that water could also be delivered in the fall. The leased rights provide 3.61 cfs. At 6 af per day the rental could allow for a rate of 3.03 cfs. The rental application requests a season of use from April 1 through June 15. This season is 76 days long. The proposed volume is 562. At the proposed six acre feet per day, the season of use would be 94 days.

Matt Anders and Remington Buyer provide a rental volume limit in memo dated December 9, 2016 (see attachment). According to that document the greatest total field headgate volume realized by the Green Family Trust water rights was 3.1 AF/AC in 2015. The diversion volume limit authorized for FMID's recharge rental was calculated by multiplying this amount by the 160.6 acres leased to the Bank by the Green Family Trust. The diversion volume limit for FMID's rental was calculated to be 497.9 AF. There are no volume limits on rights 21-13060 and 21-72C. Consequently the lease contract was based on 3.5 acre feet per acre for 562.1 af. The rental fee will be based on this amount.

Ultimately, the capacity of the pond to recharge will limit the rate and volume allowed under this rental. An analysis of the pond using the Department's Pond spreadsheet shows that the 5.9 acre pond will seep up to 1.18 af per day (see attachment). The rate per acre allowed under rights 21-12956 and 21-12953 is 140% of the inch per acre. If we allow for carriage water the rental may allow diversion of 1.65

af per day or **0.83 cfs**. If the season is April 1 through June 15 or 76 days the total volume should be **125.4 af**.

AUTHORITY TO FILE: The rental request was submitted by Dale Swenson, who is the Executive Director of the Fremont Madison Irrigation District. The documents submitted in response to the request for additional information included a signed statement allowing recharge at Paradise Pond from the Paradise Pond Trust. The statement dated January 16, 2016 was signed by co-trustee Kevin J Sutterfield.

WATER RIGHT VALIDITY: Both rights were decreed in 2008. A review of aerial photography clearly shows irrigation in 2009 and some irrigation in 2011. The Department received the application to lease water within the 5 year time period. According to trustee Mr. Ron Green, long overdue ditch maintenance will be done while the rights are leased to the bank and irrigation will not occur at the authorized place-of-use. Forfeiture is not a concern at this time.

INJURY TO OTHER WATER RIGHTS: Eastern region raised concerns about diverting water from Fall River at a time when other water rights were not being delivered. Water rights accounting maintains records for diversions from Fall River. In January, February and six days in March during 2014 water was not diverted into the canal (see attached reports for 13048560 Fall River Canal). During other years water has not been diverted during the last two or three days in February. The proposed season of use for this rental begins in April. The records show that water is diverted by April 1 of each of the past 5 years. No injury is apparent.

ENLARGEMENT OF USE: This rental proposes a change in nature-of-use from irrigation to ground water recharge. When a change in nature-of-use occurs, it has been IDWRs practice to prevent injury and enlargement by reducing the rights to their historic consumptive use value. The nature of use proposed under this rental is largely non-consumptive and will certainly not increase consumption. As such, a consumptive-use restriction is not necessary for this rental. Instead, historic irrigation diversion volumes are being used to establish a diversion volume limit for this rental. Similar logic was employed for the approval of a recent transfer for the City of Gooding¹. No enlargement is anticipated.

LOCAL PUBLIC INTEREST: Review staff has no information to suggest this application is inconsistent with the local public interest.

BENEFICIAL USE/CONSERVATION OF WATER RESOURCES: The rental appears consistent with the conservation of water resources in Idaho.

DEPARTMENT STAFF OR WATERMASTER COMMENTS: The rented right is subject to Water District #01. Comment will be solicited from the Watermaster and Eastern Region.

¹ Transfer 78927 approved March 7, 2014 for the City of Gooding; WR file # 37-262A
<http://wenet/apps/appsMisc/docSelection.asp?Basin=37&Sequence=262&SplitSuffix=A>

Seepage Loss Calculations

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the total annual seepage losses from a pond.

FILE NUMBER	21-72C and 21-13060
REVIEWER	Sandra Thiel
DATE	3/14/2017

User Input
Calculated value
Formula Explanations

INPUTS

Pond Surface Area (AC.)	5.9	AC.
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Pond Surface Area (SQ. FT.)	257004	SQ. FT.
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I used the following method to obtain my Soil Classification information:	NRCS Web Soil Survey	
My Soil Classification is	GP	
Suggested Seepage Rate (FT./DAY)	0.2000	FT./DAY

Formula: (Surface Area X Seepage Rate) X 7.48 = Gallons Per Day Loss		
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Convert to GPD	384478	GPD
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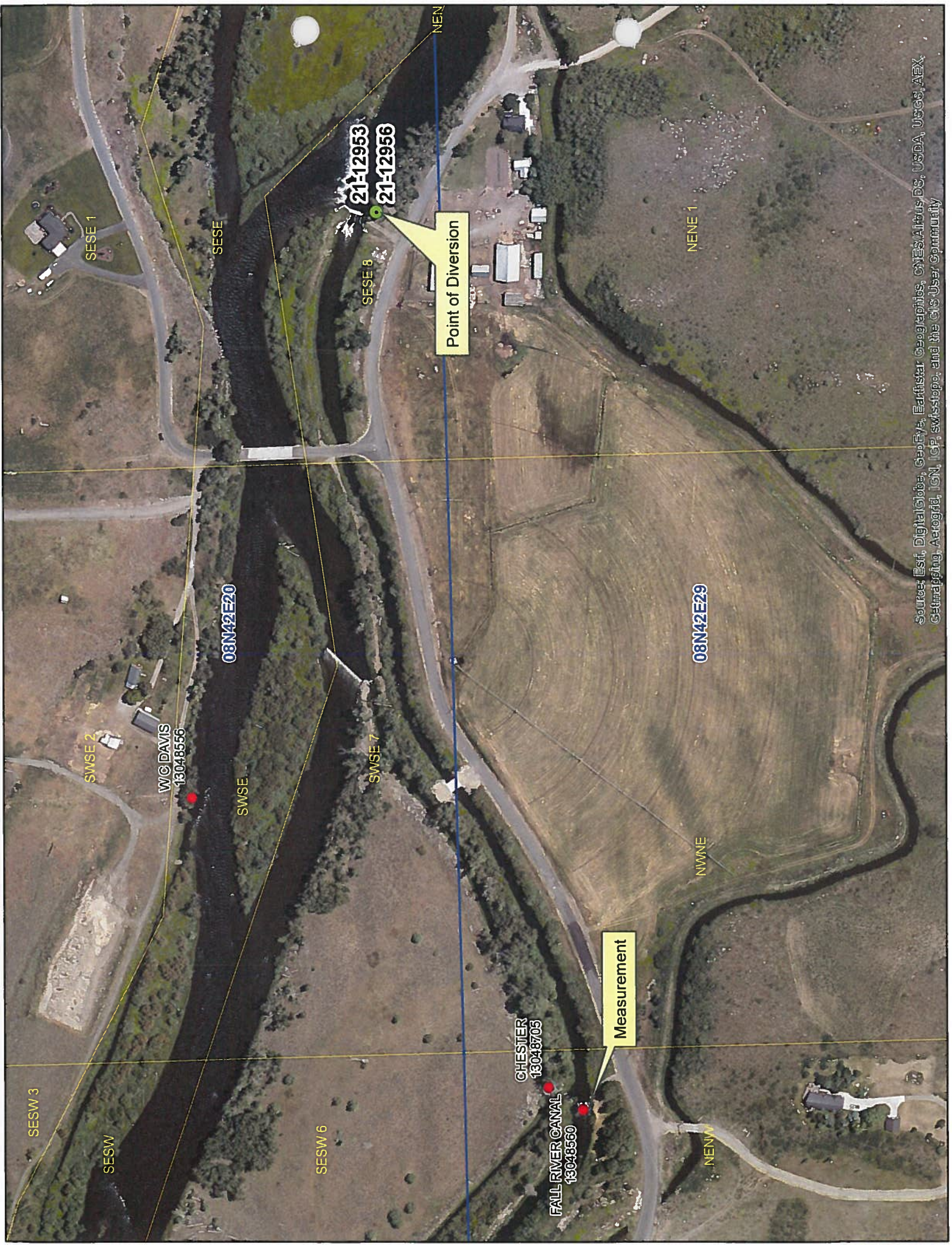
Total Seepage Loss (AFA)	430.7	AFA
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430.7 / 365 = 1.18 acre feet per day

Though sand and gravel seepage rates may actually be higher, the maximum allowable rate is 0.2 ft/day, pursuant to Administrative Memo "Seepage Loss Standards for Ponds and Reservoirs."

Suggested Seepage Rates for Different Soil Types:
GW, GP, GM, GC, SW, SP and SM (silty sand, sand silt mixtures and gravel mixtures) = 0.2 ft per day
OL and ML (inorganic silts - very fine sands, silty, or clayey fine sands) = 0.02 ft per day
SC (clayey sands, sand clay mixtures) = 0.007 ft per day
CL (Low to medium plasticity clays) = 0.003 ft per day
MH, OH, PT and CH (high plasticity clays) = 0.0003 ft per day
LINED PONDS (liners can be chemical, fabric, or bentonite) = 0 ft per day
Ponds Intercepting Groundwater (excavated ponds filled by ground water) = 0 ft per day

PLEASE NOTE: The initial basis for the Suggested Seepage Rates in the table above is found on Page 16 of Seepage from Fish Ponds, Bulletin 599, August 1989 Alabama Agricultural experiment Station, Auburn University, Auburn University Alabama. If you don't know the soil type, please refer to the map provided at the NRCS Web Soil Survey (Tab #1), an ArcMap Soil Classification Map (Tab #1.1), or published NRCS Soil Survey (Tab #1.2). Use "0" if the pond fill relies on the water table.



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroX, GeoMapping, AeroGRID, IGN, IGP, swisstopo, and the GIS User Community

13048560 FALL RIVER CANAL

DAILY MEAN VALUES FOR DISCHARGE IN CUBIC FEET PER SECOND, CALENDAR YEAR, JANUARY 2016 TO DECEMBER 2016

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	21	21	9	7	70	154	132	34	5.1	18	--	--
2	21	21	9	7	70	154	135	23	5.1	17	--	--
3	21	21	9	7	70	156	133	19	5.6	17	--	--
4	21	21	9	7	80	160	133	19	5.3	17	--	--
5	21	21	9	6	92	162	134	19	4.6	24	--	--
6	21	21	9	6	92	162	132	19	4.6	37	--	--
7	21	21	9	8	92	162	130	19	4.4	36	--	--
8	21	21	9	30	94	162	130	19	4.2	36	--	--
9	21	21	9	30	96	161	130	19	4.2	36	--	--
10	21	21	9	30	97	160	132	19	4.2	35	--	--
11	21	21	9	30	96	156	138	19	3.3	35	--	--
12	21	9	9	30	94	148	138	19	3.3	34	--	--
13	21	9	9	32	99	136	135	19	3.3	34	--	--
14	21	9	8	32	126	133	133	19	3.3	34	--	--
15	21	9	8	32	136	134	131	19	3.3	35	--	--
16	21	9	8	31	137	136	131	12	3	34	--	--
17	21	9	8	32	137	132	132	7.3	2.8	32	--	--
18	21	9	8	31	137	128	130	7.3	2.7	31	--	--
19	21	9	8	31	137	125	128	7.3	2.4	30	--	--
20	21	9	8	32	138	123	131	7.3	2.4	30	--	--
21	21	9	7	32	127	120	130	7.4	2.4	27	--	--
22	21	9	7	34	127	135	97	7.6	2.4	26	--	--
23	21	9	7	47	122	139	84	9.1	2.3	25	--	--
24	21	9	7	47	117	138	85	13	2.1	25	--	--
25	21	9	7.5	53	116	136	88	13	7.9	34	--	--
26	21	9	8	56	117	134	79	12	23	42	--	--
27	21	9	8	65	115	134	53	5.8	20	41	--	--
28	21	9	8	70	115	131	36	2.4	19	41	--	--
29	21	9	8	70	116	133	33	3.3	18	44	--	--
30	21	--	8	70	118	133	33	5.1	17	44	--	--
31	21	--	8	--	138	--	33	5.1	--	45	--	--
TOTAL	651.00	393.00	256.50	995.00	3418.00	4277.00	3399.00	429.00	191.20	996.00	--	--
MEAN	21	14	8.3	33	110	143	110	14	6.4	32	--	--
MAX	21	21	9	70	138	162	138	34	23	45	--	--
MIN	21	9	7	6	70	120	33	2.4	2.1	17	--	--
AC-FT	1291	780	509	1974	6780	8483	6742	851	379	1976	--	--

CALENDAR YEAR 2016 TOTAL 15006 MEAN 49 AC-FT 29764

13048560 FALL RIVER CANAL

24-FEB-2016

DAILY MEAN VALUES FOR DISCHARGE IN CUBIC FEET PER SECOND, CALENDAR YEAR, JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.9	8	4	14	122	119	134	105	37	52	62	28
2	6.7	8	4	12	122	119	125	102	37	51	62	28
3	8	8	6	12	124	116	121	103	37	51	62	28
4	8	8	6	12	133	115	115	103	37	51	62	28
5	8	8	6	12	139	120	116	105	37	51	62	28
6	8	8	6	12	139	122	121	107	37	51	28	28
7	8	8	6	12	141	134	122	106	37	51	23	28
8	8	7.5	4	13	138	157	121	106	37	53	41	26
9	8	7	4	13	136	176	122	109	36	60	41	23
10	8	7	3	31	134	171	123	107	36	60	40	22
11	8	7	3	42	131	170	126	106	36	61	25	21
12	8	7	4	41	130	164	127	105	36	61	15	21
13	8	7	4	41	131	157	116	105	35	61	15	21
14	8	7	4	43	133	154	108	104	34	61	19	21
15	8	7	3	62	133	151	108	104	35	62	20	21
16	8	7	3	61	128	148	109	103	36	62	19	21
17	8	6.5	3	65	123	146	110	102	37	62	22	21
18	8	5.7	3	65	118	144	108	102	36	62	25	21
19	8	5.7	3	65	115	142	108	102	48	62	25	21
20	8	5.7	3	65	115	140	107	103	53	63	25	21
21	8	5.7	3	65	114	137	105	103	50	63	25	21
22	8	5.7	3	63	115	135	105	103	51	62	28	21
23	8	5.7	3	62	116	132	107	103	52	62	28	21
24	8	5.7	3	117	116	148	108	79	52	61	28	21
25	8	5.7	3	115	115	157	108	34	52	60	28	21
26	8	5.7	13	114	115	161	107	34	52	61	28	21
27	8	5.7	13	112	117	162	107	34	52	61	28	21
28	8	2	13	112	118	141	108	34	49	61	28	21
29	8	--	14	116	121	133	107	36	50	61	28	21
30	8	--	14	121	118	133	106	37	52	61	28	21
31	8	--	14	--	118	--	106	37	--	61	--	21
TOTAL	246.60	185.00	178.00	1690.00	3868.00	4304.00	3521.00	2723.00	1266.00	1822.00	970.00	708.00
MEAN	8.0	6.6	5.7	56	125	143	114	88	42	59	32	23
MAX	8	8	14	121	141	176	134	109	53	63	62	28
MIN	6.7	2	3	12	114	115	105	34	34	51	15	21
AC-FT	489	367	353	3352	7672	8537	6984	5401	2511	3614	1924	1404

CALENDAR YEAR 2015 TOTAL 21482 MEAN 59 AC-FT 42609

13048560 FALL RIVER CANAL

DAILY MEAN VALUES FOR DISCHARGE IN CUBIC FEET PER SECOND, IRRIGATION YEAR, NOVEMBER 2013 TO OCTOBER 2014

27-FEB-2016

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	3.3	22	--	--	--	20	78	164	132	141	97	88
2	3.2	22	--	--	--	21	81	161	131	144	90	87
3	2.8	21	--	--	--	26	87	161	130	136	88	85
4	2.8	21	--	--	--	36	94	158	129	136	87	84
5	17	21	--	--	--	36	82	154	127	139	86	84
6	32	21	--	--	--	52	78	153	126	141	86	84
7	32	21	--	--	4	51	100	153	124	127	85	83
8	32	21	--	--	4	53	109	153	121	120	85	82
9	32	21	--	--	4	55	114	153	85	120	85	82
10	32	21	--	--	4	56	114	153	118	120	76	82
11	32	21	--	--	4	58	109	152	124	118	71	81
12	32	21	--	--	4	61	107	149	126	117	70	81
13	32	21	--	--	4	63	107	148	125	118	72	81
14	32	21	--	--	4	63	108	150	124	119	104	81
15	32	21	--	--	4	63	106	147	131	118	101	81
16	32	21	--	--	10	63	111	142	141	117	88	81
17	30	21	--	--	10	62	111	145	139	117	84	81
18	31	21	--	--	10	62	111	144	139	115	86	80
19	31	21	--	--	10	63	110	140	139	115	86	79
20	31	21	--	--	10	67	130	134	139	117	82	79
21	31	21	--	--	10	68	133	133	139	108	82	79
22	29	21	--	--	10	70	135	136	140	104	84	80
23	23	21	--	--	10	75	138	138	139	103	86	79
24	22	21	--	--	10	67	140	137	138	103	84	79
25	22	21	--	--	10	63	141	137	138	103	81	79
26	22	21	--	--	10	63	142	138	139	103	77	75
27	22	21	--	--	12	63	142	140	139	102	74	67
28	22	21	--	--	13	63	142	141	139	101	72	66
29	22	21	--	--	13	78	148	137	140	101	70	65
30	22	21	--	--	13	78	153	135	140	101	86	65
31	--	21	--	--	13	--	162	--	140	102	--	65
TOTAL	741.10	653.00	--	--	210.00	1719.00	3623.00	4386.00	4081.00	3626.00	2505.00	2445.00
MEAN	25	21	--	--	8.4	57	117	146	132	117	84	79
MAX	32	22	--	--	13	78	162	164	141	144	104	88
MIN	2.8	21	--	--	4	20	78	133	85	101	70	65
AC-FT	1470	1295	--	--	417	3410	7186	8700	8095	7192	4969	4850

IRRIGATION YEAR 2014 TOTAL 23989 MEAN 80 AC-FT 47582

13048560 FALL RIVER CANAL

DAILY MEAN VALUES FOR DISCHARGE IN CUBIC FEET PER SECOND, IRRIGATION YEAR, NOVEMBER 2013 TO OCTOBER 2014

27-FEB-2016

DAY	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1	3.3	22	--	--	--	20	78	164	132	141	97	88
2	3.2	22	--	--	--	21	81	161	131	144	90	87
3	2.8	21	--	--	--	26	87	161	130	136	88	85
4	2.8	21	--	--	--	36	94	158	129	136	87	84
5	17	21	--	--	--	36	82	154	127	139	86	84
6	32	21	--	--	--	52	78	153	126	141	86	84
7	32	21	--	--	4	51	100	153	124	127	85	83
8	32	21	--	--	4	53	109	153	121	120	85	82
9	32	21	--	--	4	55	114	153	85	120	85	82
10	32	21	--	--	4	56	114	153	118	120	76	82
11	32	21	--	--	4	58	109	152	124	118	71	81
12	32	21	--	--	4	61	107	149	126	117	70	81
13	32	21	--	--	4	63	107	148	125	118	72	81
14	32	21	--	--	4	63	108	150	124	119	104	81
15	32	21	--	--	4	63	106	147	131	118	101	81
16	32	21	--	--	10	63	111	142	141	117	88	81
17	30	21	--	--	10	62	111	145	139	117	84	81
18	31	21	--	--	10	62	111	144	139	115	86	80
19	31	21	--	--	10	63	110	140	139	115	86	79
20	31	21	--	--	10	67	130	134	139	117	82	79
21	31	21	--	--	10	68	133	133	139	108	82	79
22	29	21	--	--	10	70	135	136	140	104	84	80
23	23	21	--	--	10	75	138	138	139	103	86	79
24	22	21	--	--	10	67	140	137	138	103	84	79
25	22	21	--	--	10	63	141	137	138	103	81	79
26	22	21	--	--	10	63	142	138	139	103	77	75
27	22	21	--	--	12	63	142	140	139	102	74	67
28	22	21	--	--	13	63	142	141	139	101	72	66
29	22	21	--	--	13	78	148	137	140	101	70	65
30	22	21	--	--	13	78	153	135	140	101	86	65
31	--	21	--	--	13	--	162	--	140	102	--	65
TOTAL	741.10	653.00	--	--	210.00	1719.00	3623.00	4386.00	4081.00	3626.00	2505.00	2445.00
MEAN	25	21	--	--	8.4	57	117	146	132	117	84	79
MAX	32	22	--	--	13	78	162	164	141	144	104	88
MIN	2.8	21	--	--	4	20	78	133	85	101	70	65
AC-FT	1470	1295	--	--	417	3410	7186	8700	8095	7192	4969	4850

IRRIGATION YEAR 2014 TOTAL 23989 MEAN 80 AC-FT 47582

13048560 FALL RIVER CANAL

DAILY MEAN VALUES FOR DISCHARGE IN CUBIC FEET PER SECOND, CALENDAR YEAR, JANUARY 2012 TO DECEMBER 2012

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12	8	8	16	29	151	147	135	25	53	35	32
2	12	8	8	16	33	163	147	135	26	53	35	32
3	12	8	8	16	32	171	147	135	26	53	35	32
4	11	8	9	15	43	192	146	135	25	53	35	32
5	11	8	9	15	47	201	140	135	26	53	35	32
6	11	8	9	15	46	194	111	135	25	53	35	32
7	11	8	9	15	77	186	109	135	24	53	35	32
8	11	8	9	15	107	178	132	135	24	53	35	32
9	11	8	9	15	119	180	130	135	25	53	35	32
10	11	8	9	15	134	182	129	135	28	53	35	32
11	11	8	9	15	140	176	130	137	31	53	34	32
12	11	8	9	15	140	169	135	137	31	53	34	32
13	11	7	9	15	142	153	134	135	31	53	34	32
14	11	7	9	15	139	140	135	135	31	53	35	16
15	11	7	8	15	139	142	140	135	31	53	35	15
16	11	7	8	15	142	140	142	135	31	53	35	15
17	11	7	8	15	142	146	142	135	31	54	35	15
18	11	7	7	24	142	160	140	135	33	53	35	15
19	10	7	14	34	140	163	140	135	43	53	35	15
20	9	7	14	44	137	162	139	135	43	53	35	15
21	9	7	14	59	139	154	137	130	43	53	35	15
22	9	7	15	62	149	153	137	117	43	53	34	15
23	9	7	16	67	153	154	137	117	43	53	34	15
24	9	7	16	78	151	158	135	117	49	49	33	15
25	9	8	14	81	146	158	135	117	53	38	33	15
26	8	8	14	81	144	154	135	117	53	38	33	15
27	8	8	14	42	147	154	135	109	51	37	32	15
28	8	8	14	24	147	151	135	79	53	38	32	15
29	8	8	15	26	146	149	135	78	53	38	32	11
30	8	--	16	24	142	149	135	78	53	37	32	7.9
31	8	--	16	--	140	--	135	43	--	35	--	7.9
TOTAL	313.00	220.00	353.00	904.00	3674.00	4883.00	4206.00	3806.00	1084.00	1530.00	1028.00	669.80
MEAN	10	7.6	11	30	119	163	136	123	36	49	34	22
MAX	12	8	16	81	153	201	147	137	53	54	36	32
MIN	8	7	8	15	29	140	109	43	24	35	32	7.9
AC-FT	621	436	700	1793	7287	9685	8343	7549	2150	3035	2039	1329

CALENDAR YEAR 2012 TOTAL 22671 MEAN 62 AC-FT 44968

Thiel, Sandra

From: Dale Swensen <fmid@myidahomail.com>
Sent: Friday, February 17, 2017 11:17 AM
To: Thiel, Sandra
Cc: Buyer, Remington
Subject: Additional Information
Attachments: Recharge Rental; Paradise Pond 2.pdf; paradise pond recharge permission.pdf; Green Rental.additional information.pdf

Ms Thiel,

Please find attached a letter (Green Rental.additional information.pdf) with the additional information you asked for in your February 1, 2017 letter along with supporting information.

Please let me know if you have any questions.

Thanks,

Dale

BOARD MEMBERS
MARK RICKS
GEORGE CRAPO
CLEVE BAGLEY

FREMONT-MADISON IRRIGATION DISTRICT

P.O. BOX 15
ST. ANTHONY, IDAHO 83445
PHONE: 208-624-3381 FAX: 208-624-3990
EMAIL: fmid@fretel.com

BOARD MEMBERS
DENNIS FRANSEN
DOUGLAS HILLAM
SCOTT NEVILLE
JEFF RAYBOULD

February 7, 2017

Sandra Thiel
Idaho Dept of Water Resources
P.O. Box 83720
Boise, ID 83720-0098

Dear Ms. Thiel:

This letter is in response to your letter dated February 1, 2017, in which you asked for additional information regarding Fremont-Madison Irrigation District's (FMID) Water Supply Bank rental request for water rights 21-72C and 21-13060.

1) A description of how FMID and/or Southeast Idaho Canal Company (SICC) currently operates the Fall River Canal, Cross-cut Canal and/or any other canals, to deliver surface water from the Fall River to Hughes Pond (aka Paradise Pond), including dates when diversions into the canal typically commence and conclude, coincident with the irrigation season.

Water from Fall River will be diverted into the East Branch of the SICC and delivered to Paradise Pond. The East Branch can be supplemented from the Cross-cut Canal at what is called the Bishoff gate. Diversions into the East Branch typically start on April 1 and continue until October 31. Supplemental water from the Cross-cut is widely variable depending on the water year and irrigation demand downstream of the Bishoff gate.

The attached map shows the East Branch of SICC, the Bishoff gate, and location of Paradise Pond and its measurement point.

2) A written description of the pond/recharge site, which explains how water is currently delivered to and maintained at the pond during the irrigation season, the in-place infrastructure used to control and measure water diversions into the pond, the dates when water is typically delivered to the pond, and the ways in which the pond is managed coincident with operation of adjacent canals.

The pond is used to help regulate flows downstream of the pond. A 24 inch headgate diverts water into the pond. At the present time there is not a structure to measure the water. Water is typically delivered to the pond on April 1 when water is diverted into the East Branch and irrigation demand is low. From the middle of May to the middle of July when irrigation demand

is high there will be very little or no water diverted into the pond. Diversion of water into the pond will decrease when irrigation demand downstream requires additional water and will increase when downstream irrigation demand decreases.

3) A letter from the current owners and/or operator of the pond, consenting to recharge activities at the site.

Attached is a letter from the current owners of the pond consenting to recharge activities for the 2017 year. We believe consent will be given each year for the duration of the project.

4) A description of how water rights 21-72C and 21-13060 (as rented for recharge by FMID) will be delivered to the pond by SICC, including the dates when rented water will be diverted and delivered to the pond, and the methods FMID will use to measure and record recharge activities at this site.

Water will be delivered to the pond beginning April 1 at six acre feet per day and will continue until downstream irrigation demand requires the water or until the June 1, 1896 decree date is out of priority whichever occurs first. Water could also be delivered in the fall when the June 1, 1896 is again in priority and irrigation demand is low. FMID plans to install a sharp crested weir in combination with a pressure transducer which will collect 15 minute readings. FMID will contract with Idaho Water Engineering for the measurement program.

5) An ESPA transfer tool ground water model run to document the anticipated impacts to reaches of the Snake River that will result from your intended recharge activity.

IDWR ran its online ESPA modeling tool for this site and the results are attached.

6) Confirmation that your intended Water Supply Bank rental for recharge complies with all relevant ground water quality monitoring plans for the recharge location.

I met with officials at the Idaho Falls office of the Idaho Dept of Environmental Quality (DEQ) on February 15, 2017, to get an understanding of what their requirements are. Initially it sounds like we will have to sample three groundwater wells in the area immediately down gradient from Paradise pond. The samples will be tested for total coliform, nitrate+nitrite and we will measure water depth, conductivity and dissolved oxygen. We will also sample the surface water at the measurement location and measure flow and test for E.coli and total phosphorus. I am in the process of writing a monitoring program for DEQ's approval.

7) A written description explaining how FMID will ensure injury, hazard and/or nuisance to adjacent properties will be avoided and managed during times of recharge at this location.

Surface water has been flowing into this pond for over 40 years and there have not been any issues with adjacent properties. With the small amount of additional water going into the pond with this project FMID does not anticipate any problems. However, the watermaster for SICC will continuously monitor this activity and notify FMID of any problems that arise and they will be dealt with on a case by case basis.

Please let me know if you have further questions or need additional information.

Sincerely,

A handwritten signature in black ink, reading "Dale L. Swensen". The signature is written in a cursive style with a large, stylized "D" and "S".

Dale L. Swensen
Executive Director

East Branch Canal Headgate

Bishoff Gate

Section 21 Township 7N Range 41E

Paradise Pond

Pond Measurement Point

The USDA-FSA Aerial Photography Field office asks to be credited in derived products. Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Geomatics, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Dale Swensen, Agent of
Southeast Idaho Canal Company
St. Anthony, Idaho

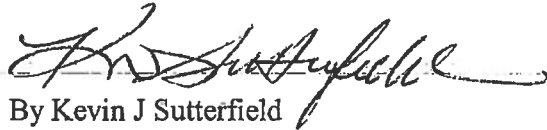
16 January 2017

Via Email: fmid@myidahomail.com

Re: Recharge Permission for Idaho Dept. of Water Resources Paradise Pond

Paradise Pond Trust hereby gives its consent to Southeast Idaho Canal Company to conduct recharge activities during 2017 using our Pond located in the southern portion of Tax 3329, Section 21, Township 7 North, Range 41 East, Fremont County, Idaho. We understand the Canal Company's agents will perform its activities at its expense and risk and Paradise Pond gives its permission to enter said Property for these purposes.

Paradise Pond Trust, Owner



By Kevin J Sutterfield
Co Trustee

kjsutt@msn.com

1393 S. 2100 East
Springville, UT 84663

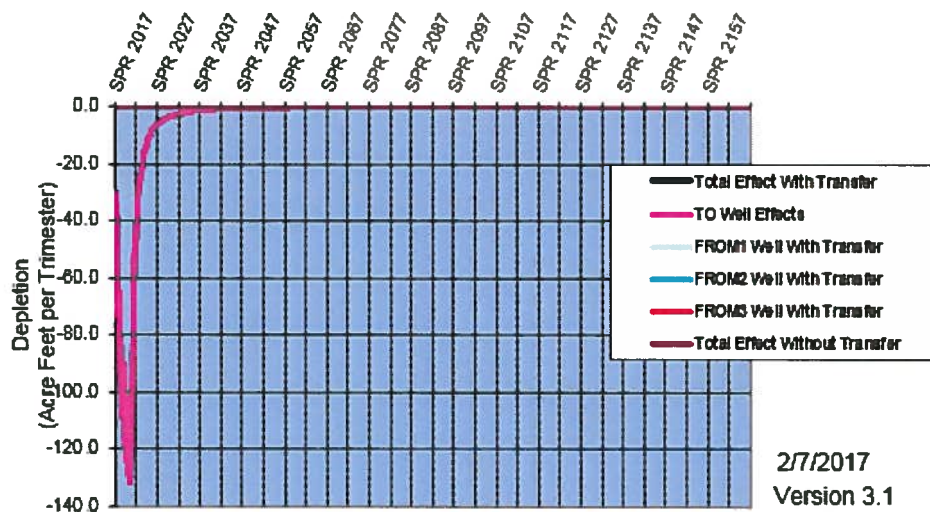
Thiel, Sandra

From: Buyer, Remington <Remington.Buyer@idwr.idaho.gov>
Sent: Tuesday, February 07, 2017 4:48 PM
To: 'Dale Swensen'
Subject: Recharge Rental
Attachments: Modified_Etransfer_V3_1.xls

Dale,

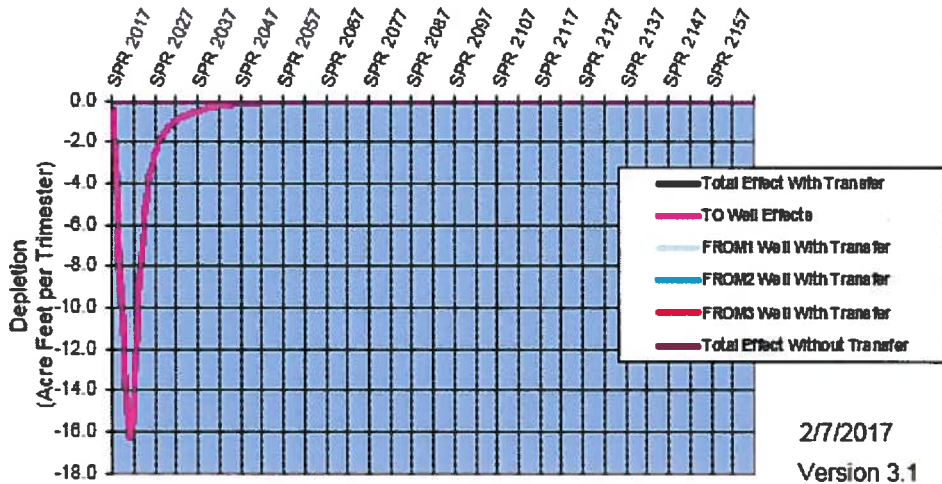
The attached excel sheet reflects the results I obtained in modeling the recharge of 500 acre feet of water at Hughes Pond during 2018-2020. Per the GRAPHS ABOVE MILNER worksheet, you can see that recharge of 500 AF a year at Hughes Pond results in as much as 130 AF of additional water flowing into the Snake River in the Ashton to Rexburg reach by year 2021, but by year 2027, ten years after the recharge activity, almost all the recharge water has left the aquifer and there are few additional flows into the Snake River in the Ashton to Rexburg reach:

Hydrologic Response--Ashton to Rexburg
Customer Name: **Transfer No:**

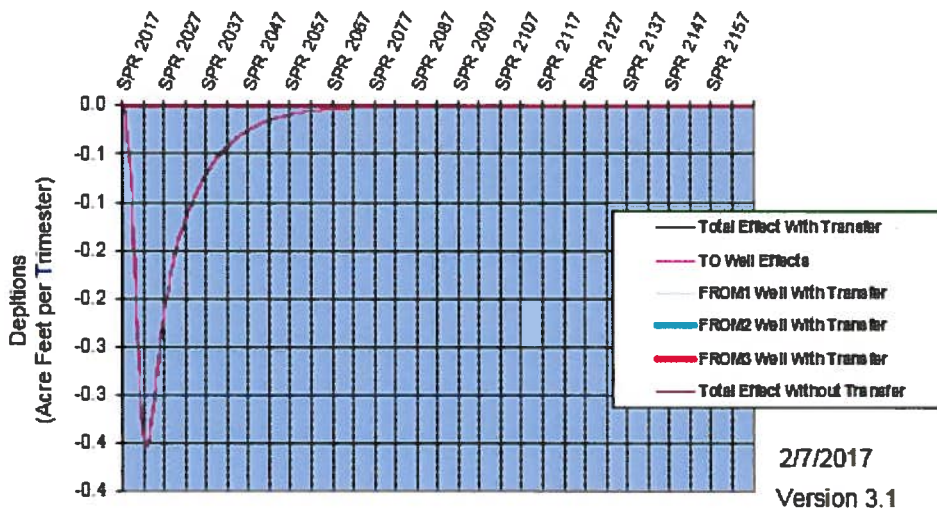


Additionally, though there are some additional flows accreting to the Snake River in the Heise to Shelley reach, below the Ashton to Rexburg reach, the additional flows to the Snake River attributable to recharge at Paradise Pond are significantly lower than in the Ashton to Rexburg reach. Finally, below Shelley, there are almost no additional flows reaching the snake River that are attributable to the recharge at Hughes/Paradise pond:

Hydrologic Response--Heise to Shelley
Customer Name: **Transfer No:**



Hydrologic Response--Shelley to Near Blackfoot
Customer Name: **Transfer No:**



Remington
 287-4918



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

February 1, 2017

**FREMONT MADISON IRRIGATION DISTRICT
C/O DALE SWENSON – EXECUTIVE DIRECTOR
PO BOX 15
ST. ANTHONY, ID 83445**

RE: WATER SUPPLY BANK RENTAL REQUEST FOR WATER RIGHTS 21-72C & 21-13060

Mr. Swenson,

The Idaho Department of Water Resources (Department) has conducted a preliminary review of the application by Fremont Madison Irrigation District (FMID) to rent water rights 21-72C and 21-13060 from the Water Supply Bank (Bank) for the purposes of ground water recharge. The Bank is required to ensure FMID's rental will not cause injury to other water rights, nor enlarge the use of water historically accomplished under the leased water rights. The Bank must also consider whether the rental purpose is in the local public interest.

The Department will advertise the rental application on our website and in local newspapers during December 2016 to help address local public interest concerns. To help us address injury and enlargement concerns, the Department is seeking from FMID the following information:

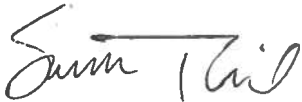
- A description of how FMID and/or Southeast Idaho Canal Company (SEICC) currently operates the Fall River Canal, Crosscut Canal and/or any other canals, to deliver surface water from the Falls River to Hughes Pond (aka Paradise Pond), including dates when diversions into the canal typically commence and conclude, coincident with the irrigation season;
- a written description of the pond/recharge site, which explains how water is currently delivered to and maintained at the pond during the irrigation season, the in-place infrastructure used to control and measure water diversions into the pond, the dates when water is typically delivered to the pond, and the ways in which the pond is managed coincident with operation of adjacent canals;
- a letter from the current owners and/or operator of the pond, consenting to recharge activities at the site;
- a description of how water rights 21-72C and 21-13060 (as rented for recharge by FMID) will be delivered to the pond by Southeast Idaho Canal Company (SEICC), including the dates when rented water will be diverted and delivered to the pond, and the methods FMID will use to measure and record recharge activities at this site;

- an ESPA transfer tool ground water model run to document the anticipated impacts to reaches of the Snake River that will result from your intended recharge activity;
- confirmation that your intended Water Supply Bank rental for recharge complies with all relevant ground water quality monitoring plans for the recharge location; and
- a written description explaining how FMID will ensure injury, hazard and/or nuisance to adjacent properties will be avoided and managed during times of recharge at this location.

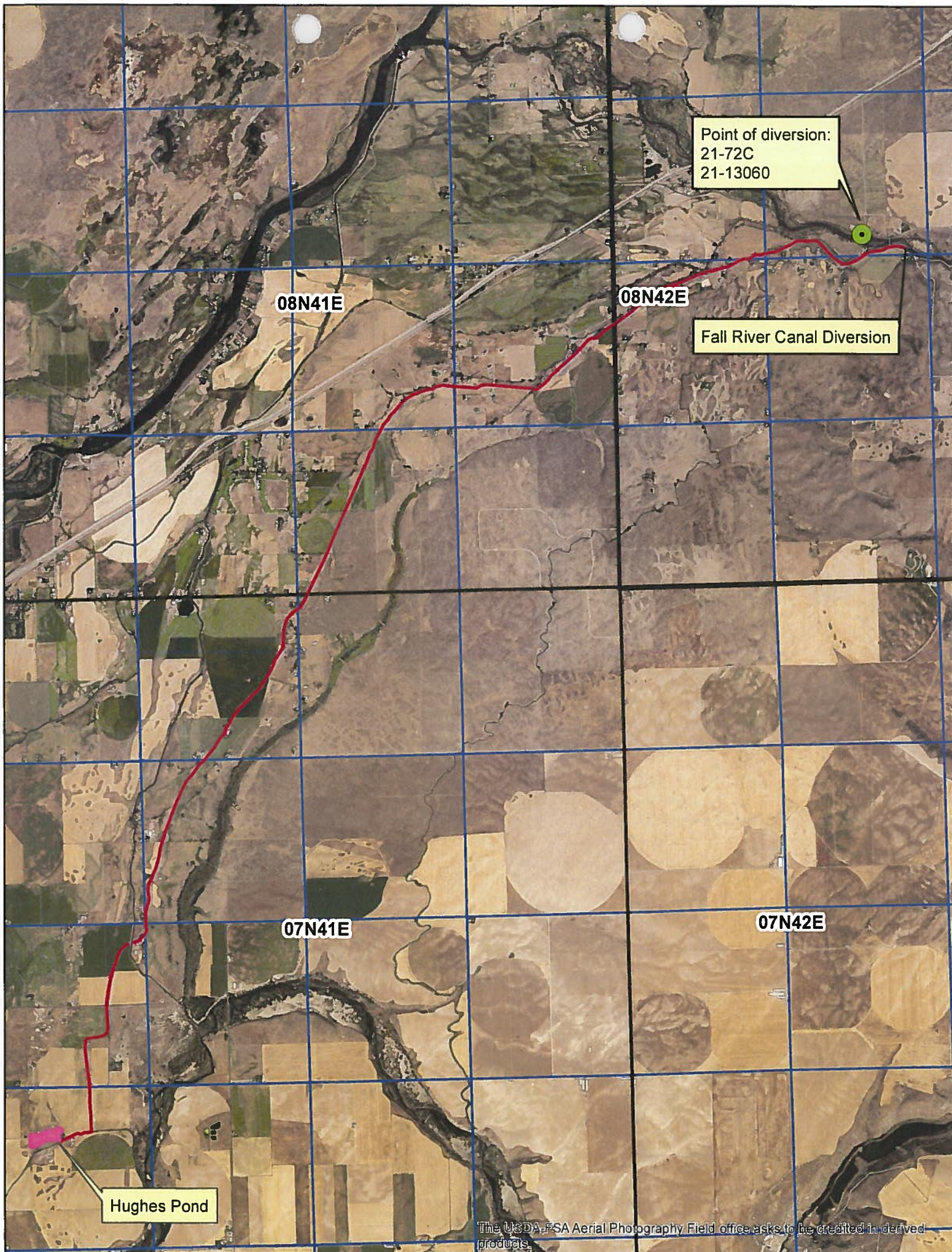
The above information is requested to assist the Department in its review of your rental application. Please submit the above information within the next thirty (30) days so that your rental request may be timely concluded. If we do not receive the requested information by March 2, I will return the rental application to you.

If you have any questions about this matter, you can reach me at 208-287-4881, or by email at sandra.thiel@idwr.idaho.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Sandra Thiel", with a stylized flourish extending from the end.

Sandra Thiel



Point of diversion:
21-72C
21-13060

08N41E

08N42E

Fall River Canal Diversion

07N41E

07N42E

Hughes Pond

RECEIVED

JAN 03 2017

DEPARTMENT OF
WATER RESOURCES



December 27, 2016

Idaho Department of Water Resources
P.O. Box 83720
Boise, ID 83720-0098

RE: Fremont-Madison Irrigation District Water Supply Bank Rental Application

The Henry's Fork Foundation (HFF) is a 501(c)3 nonprofit organization based in Ashton, Idaho. Founded in 1984, the HFF is the only organization whose sole mission is to conserve, restore, and protect the unique fishery, wildlife, and aesthetic qualities of the Henry's Fork of the Snake River watershed. Pursuant to our mission, we hereby offer comments on the application of Fremont-Madison Irrigation District (FMID) to rent 562 acre-feet from the Water Supply Bank for managed aquifer recharge. The water is being leased to the bank as a result of drying lands in the place of use of water rights 21-72C and 21-13060, with points of diversion on Fall River.

After reviewing Idaho Code §42-1763, which governs rentals from the Water Supply Bank, we believe that FMID's application meets all of the criteria therein and should be approved as submitted.

In addition, this application provides an excellent example of the type of water transactions we believe should be encouraged to provide water to mitigate groundwater withdrawal. The attributes of this application that we find particularly appealing are: 1) the water leased into the bank is natural flow rather than storage; 2) the water leased into the bank was obtained through reduction of irrigation demand; and 3) the water will be withdrawn at the same point of diversion as would have been used had the water been withdrawn for irrigation. These attributes result in a reduction of consumptive use and a transaction that transfers the place of use of the leased water from that associated with the original surface rights to that associated with the groundwater withdrawals being mitigated. No additional burden is placed on the storage system, and no changes to traditional and customary operation of the within-watershed diversion and delivery system are required. Therefore, this transaction and others like it will not change streamflow downstream of the point of diversion relative to current conditions.

In fact, if the leased water is diverted for managed recharge on the shoulders of the irrigation season—April, May, September and October—streamflows and fisheries in the Henry's Fork watershed could actually benefit from this transaction. In particular, reach gains are sufficient during the shoulder seasons to satisfy irrigation demand in the Henry's Fork watershed without need to deliver water from Island Park Reservoir. However, during the middle of the summer—June through August—delivery of water from Island Park Reservoir is needed to meet demand. Extensive research conducted by our organization shows that water quality, fishing experience, and available winter flow to support survival of juvenile trout downstream of Island Park Reservoir are all positively affected by lower rates of delivery from the reservoir during June, July and August. Because delivery of water for managed recharge is not tied to the growing season, moving the timing of diversion from the middle of the summer to the shoulder seasons increases mid-summer flow in Fall River, which, in turn, reduces need for delivery of water from Island Park Reservoir. In theory, this particular application could save as much as 562 acre-feet of water in the

reservoir, which would have been nearly 3% of what remained in the reservoir at the end of the 2016 irrigation season—a nontrivial amount of savings that would have benefitted the fishery.

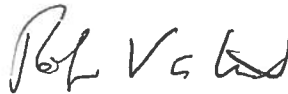
As demand for groundwater-withdrawal mitigation continues to grow, transactions such as this one have the potential to contribute to long-term economic sustainability of agriculture while also improving fisheries and the economies they support. Our organization not only supports the concept of managed recharge via demand reduction but is interested in helping to facilitate such transactions in the future.

We appreciate the opportunity to provide comment on this application and are pleased to provide our support.

Sincerely,



Brandon Hoffner
Executive Director



Rob Van Kirk, Ph.D.
Senior Scientist

cc: Fremont-Madison Irrigation District



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

December 1, 2016

**FREMONT MADISON IRRIGATION DISTRICT
C/O DALE SWENSON – EXECUTIVE DIRECTOR
PO BOX 15
ST. ANTHONY, ID 83445**

RE: WATER SUPPLY BANK RENTAL REQUEST FOR WATER RIGHTS 21-72C & 21-13060

Mr. Swenson,

The Idaho Department of Water Resources (Department) has conducted a preliminary review of the application by Fremont Madison Irrigation District (FMID) to rent water rights 21-72C and 21-13060 from the Water Supply Bank (Bank) for the purposes of ground water recharge. The Bank is required to ensure FMID's rental will not cause injury to other water rights, nor enlarge the use of water historically accomplished under the leased water rights. The Bank must also consider whether the rental purpose is in the local public interest.

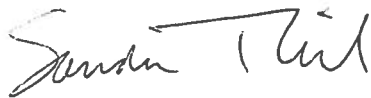
The Department will advertise the rental application on our website and in local newspapers during December 2016 to help address local public interest concerns. To help us address injury and enlargement concerns, the Department is seeking from FMID the following information:

- A description of how FMID and/or Southeast Idaho Canal Company (SEICC) currently operates the Fall River Canal, Crosscut Canal and/or any other canals, to deliver surface water from the Falls River to Hughes Pond (aka Paradise Pond), including dates when diversions into the canal typically commence and conclude, coincident with the irrigation season;
- a written description of the pond/recharge site, which explains how water is currently delivered to and maintained at the pond during the irrigation season, the in-place infrastructure used to control and measure water diversions into the pond, the dates when water is typically delivered to the pond, and the ways in which the pond is managed coincident with operation of adjacent canals;
- a letter from the current owners and/or operator of the pond, consenting to recharge activities at the site;
- a description of how water rights 21-72C and 21-13060 (as rented for recharge by FMID) will be delivered to the pond by Southeast Idaho Canal Company (SEICC), including the dates when rented water will be diverted and delivered to the pond, and the methods FMID will use to measure and record recharge activities at this site;
- an ESPA transfer tool ground water model run to document the anticipated impacts to reaches of the Snake River that will result from your intended recharge activity;

- confirmation that your intended Water Supply Bank rental for recharge complies with all relevant ground water quality monitoring plans for the recharge location; and
- a written description explaining how FMID will ensure injury, hazard and/or nuisance to adjacent properties will be avoided and managed during times of recharge at this location.

If you have any questions about this matter, you can reach me at 208-287-4881, or by email at sandra.thiel@idwr.idaho.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Sandra Thiel". The signature is fluid and cursive, with the first name "Sandra" and last name "Thiel" clearly distinguishable.

Sandra Thiel



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

October 18, 2016

FREMONT-MADISON IRRIGATION DISTRICT
C/O DALE SWENSON
PO BOX 15
ST ANTHONY ID 83445

RE: APPLICATION TO RENT WATER FROM THE WATER SUPPLY BANK

Dear Applicant:

On June 6, 2016 the Idaho Department of Water Resources (Department) received your application to rent water from the Water Supply Bank (Bank) for irrigation during 2016-2020. A letter was sent on June 13, 2016 informing you it was unlikely the application would be processed.

Since the Department was not able to process your application prior to the latest possible start date of the proposed rental period, your application will be retained by the Department to process for the 2017 season.

If you have any questions regarding this matter, please contact me at (208) 287-4910.

Sincerely,

 Clay Webster
Water Resource Agent
WSB Process Point of Contact



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

June 13, 2016

FREMONT-MADISON IRRIGATION DISTRICT
C/O DALE SWENSON
PO BOX 15
ST. ANTHONY ID 83445

RE: APPLICATION TO RENT WATER RIGHTS 21-72C and 21-13060 FROM THE WATER SUPPLY BANK

Dear Dale:

The Idaho Department of Water Resources ("Department") acknowledges receipt of your application to rent water rights 21-72C and 21-13060 from the Idaho Water Resource Board's Water Supply Bank ("Bank") in 2016 for the purpose of ground water recharge.

Filing a Bank rental application does not automatically result in approval. Before a rental application can be authorized, the rental request must be reviewed, a rental agreement must be prepared, the agreement must be approved by the applicant and the Department and the rental fee must be paid. To maximize the number of rental applications processed annually while managing competing priorities, the Department begins accepting rental applications on November 1 for use in the next calendar year, and it processes as many applications as possible before the start of the irrigation season in March or April. Once the irrigation season begins, Department staff are reassigned from the Bank to undertake field work and other Departmental duties. Consequently, few rental applications are processed after May 1.

The application cover letter included with your rental request correctly noted that the two above-referenced water rights were not authorized by the Department to be included as part of a previous ground water recharge rental request, recently submitted by Fremont-Madison Irrigation District ("FMID"). The Department has approved and concluded its review of that rental request. Because this rental application is seeking to rent and divert water rights 21-72C and 21-13060 via a new point of diversion, at a new place of use, the Department considers this to be a new rental request. Accordingly, this rental request is being placed into the 2016 rental application cue to be processed as time permits. If the Department is unable to process your application for 2016, it will be retained to be evaluated for 2017. The Department will follow up with you regarding this rental request once application processing commences.

If you have questions regarding this matter, please contact me at 287-4918.

Sincerely,

Remington Buyer
Water Supply Bank Coordinator

BOARD MEMBERS

MARK RICKS
GEORGE CRAPO
CLEVE BAGLEY

BOARD MEMBERS

DENNIS FRANSEN
DOUGLAS HILLAM
SCOTT NEVILLE
JEFF RAYBOULD

FREMONT-MADISON IRRIGATION DISTRICT

P.O. BOX 15
ST. ANTHONY, IDAHO 83445
PHONE: 208-624-3381 FAX: 208-624-3990
EMAIL: fmid@fretel.com

RECEIVED

JUN 06 2016

**DEPARTMENT OF
WATER RESOURCES**

June 3, 2016

Remington Buyer
Idaho Dept of Water Resources
P.O. Box 83720
Boise, ID 83720-0098

Dear Remington:

Please find enclosed an Application to Rent Water From the Board's Water Supply Bank in the name of Fremont-Madison Irrigation District. The application is a companion to an approved lease in the name of The Green Family Trust.

I will email the shape files for attachment 2, a map showing the proposed point of diversion, place of use, and water diversion and distribution systems proposed to be used with the rental request.

As you know a similar rental application was submitted to the Bank but was not approved because of a water right accounting issue with Water District 1. You asked that a new application be filed rather than an amended application. I respectfully request that this new application be put at the first of the applications you are processing since I had in good faith submitted the first application well before the irrigation season began and both you and I expected that the application would be approved for use during this irrigation season.

Please let me know if you have any questions or concerns.

Sincerely,



Dale L. Swensen
Executive Director