

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WATER SUPPLY BANK RENTAL AGREEMENT NO. 156

This is to certify that:

BINGHAM COUNTY
83 FRONTAGE RD
BLACKFOOT, ID 83221

RECEIVED

MAY 22 2017

DEPARTMENT OF
WATER RESOURCES

filed an application to rent water from the Water Supply Bank ("Bank"). The Idaho Water Resource Board ("Board"), being authorized to operate a Bank and to contract by and through the Director of the Idaho Department of Water Resources ("Director, Department") for rental of water from the Bank, agrees to rent water as follows:

Summary of Water Rights or Portions Rented from the Bank

Water Right No.	Priority Date	Source	Diversion Rate (CFS)	Diversion Volume (AF)	Acres (AC)	Rate Per Acre (CFS/AC)	Volume Per Acre (AF/AC)
29-14097	11/29/1971	GROUND WATER	0.02	8.8	2.2	0.009	4.0
29-14096	11/29/1971	GROUND WATER	0.18	71.2	17.8	0.010	4.0
Combined Rental Totals			0.20	80.0	20.0	0.010	4.0

Term of Rental: This rental shall take effect when all parties have signed it and shall continue in effect until December 31, 2017.

Annual Rental Fee:

2017: \$1,360.00

The full fee for the rental of the above-described right(s) is \$1,360.00 for 2017. The rental fee includes an administrative fee of \$136.00 for 2017.

Total Water Use Authorized Under Rental Agreement No. 156

Beneficial Use	Diversion Rate (CFS)	Diversion Volume (AF)	Acres (AC)	Rate/Acre (CFS/AC)	Volume/Acre (AF/AC)
IRRIGATION	0.20	47.2	11.8	0.017	4.0
Combined Total	0.20	47.2	11.8	0.017	4.0

** The authorized water usage reflects a reduction from the water right elements rented to account for consolidation of the rate on a reduced number of acres.*

Detailed water right conditions are attached.

SUPPORT DATA

IN FILE # 29-14096

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WATER SUPPLY BANK RENTAL AGREEMENT NO. 156

The undersigned renter agrees to use the water rented under this agreement in accordance with the Water Supply Bank rules and in compliance with the limitations and conditions of use described in this agreement:

A. Ladd Carter 5-18-17
Signature of Renter Date

A LADD CARTER Commission chair
Printed Name Title

*Title required if signing on behalf of a company or organization or with power of attorney

Having determined that this agreement satisfied the provisions of Idaho Code § 42-1763 and IDAPA 37.02.03.030 (Water Supply Bank Rule 30), for the rental and use of water under the terms and condition herein provided, and none other, I hereby execute this Rental Agreement on behalf of the Idaho Water Resource Board.

By Brian Patton 5/22/2017
BRIAN PATTON, Acting Administrator Date
Idaho Water Resource Board

Rental approved by IDWR Quito 5-22-2017
Date

WATER SUPPLY BANK RENTAL AGREEMENT NO. 156

WATER USE DETAILS

LOCATION OF POINT(S) OF DIVERSION

GROUND WATER L5(NESE) Sec. 36, Twp 01N, Rge 36E, BINGHAM County

Beneficial Use	Diversion Rate	Volume
IRRIGATION	0.20 CFS	47.2 AF

BENEFICIAL USE & SEASON OF USE

Water Right No.	From	To
29-14096	4/1	10/31
29-14097	4/1	10/31

RENTERS PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01N	36E	36				2.1 L1									4.1 L5				6.2
01N	36E	36				3.1									2.5				5.6

Total Acres: 11.8

RENTAL AGREEMENT CONDITIONS OF ACCEPTANCE

1. The use of water under this agreement shall be subject to the provisions of Idaho Code § 42-1766.
2. Rental of the specified right from the bank does not, in itself, confirm the validity of the right or any elements of the water right, or improve the status of the right including the notion of resumption of use. It does not preclude the opportunity for review of the validity of this water right in any other department application process.
3. Use of water under this agreement shall not prejudice any action of the Department in its consideration of an application for transfer or permit filed by the applicant for this same use.
4. Renter agrees to comply with all applicable state and federal laws while using water under this agreement.
5. Renter agrees to hold the Board, the Director and the state of Idaho harmless from all liability on account of negligent acts of the renter while using water.
6. Renter acknowledges and agrees that the Director may terminate authorization for the use of a water right based on a water right's priority date.
7. Failure of the renter to comply with the conditions of this agreement is cause for the Director to rescind approval of the rental agreement.
8. This rental agreement does not authorize the construction of a well.
9. Prior to diversion and use of water under this approval, the right holder shall install and maintain acceptable measuring device(s) at the authorized point(s) of diversion, in accordance with Department specifications.

10. Upon specific notification of the Department, the right holder shall install and maintain data loggers to record water usage information at the authorized point(s) of diversion in accordance with Department specifications.
11. A lockable device subject to the approval of the Department shall be maintained on the diverting works in a manner that will provide the watermaster suitable control of the diversion.
12. Use of water under this right will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 120.
13. This rental when combined with all other rights shall provide no more than 4.0 afa per acre at the field headgate.
14. A map depicting the place of use boundary for this water right at the time of this approval is attached to this document for illustrative purposes.
15. Pursuant to Section 42-1412(6), Idaho Code, this water right is subject to such general provisions necessary for the definition of the rights or for the efficient administration of water rights as may be determined by the Snake River Basin Adjudication court at a point in time no later than the entry of the final unified decree.
16. This right does not grant any right-of-way or easement across the land of another.
17. Rented portions of Rights 29-14096 and 29-14097 when combined shall not exceed the irrigation of 11.8 acres.



Idaho Water Resource Board
Attachment to Water Supply Bank Rental Agreement No. 156

Effective until December 31, 2017

This map depicts the rental place of use pursuant to the rental agreement and is attached to the agreement solely for illustrative purposes.



-  Authorized Rental Point of Diversion
-  Authorized Rental Place of Use
-  Townships
-  PLS Sections
-  Quarter Quarters



0  Miles
0.1

**STATE OF IDAHO
WATER RESOURCE BOARD**

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

RECEIVED

MAR 23 2017

DEPARTMENT OF
WATER RESOURCES

Applicant Name: Bingham County

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)

35-13993

35-13995

**STATE OF IDAHO
WATER RESOURCE BOARD**

Application to Rent Water (Continued)

1. CONTACT INFORMATION

A. Applicant Bingham County

Mailing Address	<u>83 Frontage Road</u>	<u>Blackfoot</u>	<u>Idaho</u>	<u>83221</u>
	Street	City	State	Zip Code
Email Address	<u>bmorrell@co.bingham.id.us</u>		Phone Number	<u>(208)782-3170</u>

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	<u>Kristin Moore</u>	Professional Title	<u>Water Rights Analyst</u>
Organization	<u>Rocky Mountain Environmental Associates</u>	Relationship to Applicant	<u>Consultant</u>
Mailing Address	<u>482 Constitution Way, Suite 303, Idaho Falls, ID 83402</u>		
Email Address	<u>kristin.rmea@gmail.com</u>	Phone Number	<u>(208)524-2353</u>

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:

The proposed use is to irrigate portions of North Bingham Park using ground water.

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)
0.20 CFS	47.2 AF	0.2 CFS	47.2 AF	11.8 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?	
04-01-2017	06-01-2017	☒	☐	☐	☐	☐	☒ Process application as soon as possible	☐ Return application to applicant
		1	2	3	4	5		

* 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):
Existing well to pump to sprinkler system.

- 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
01N36ESec36 NESE, L5	Groundwater	None

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 11.8 (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: _____ from: _____ (mm/dd) to: _____ (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:

Water from a pump on the Snake River used to deliver water from Snake River Valley Irrigation District. However, that pump is no longer present. This rental will allow the County time to locate other water rights to transfer.

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)
35-13993	Irrigation	0.21	78.4	19.6		0.07	26.2	6.6
35-13995	Irrigation	0.46	141.2	35.3		0.15	47.2	11.8
		0.59	141.2	35.3				
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	0.20	47.2	11.8
						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**:

N/A

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**:

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.

A. Laon Carter
Signature of Applicant

A LAON CARTER
Printed Name of Applicant

3-14-17
Date

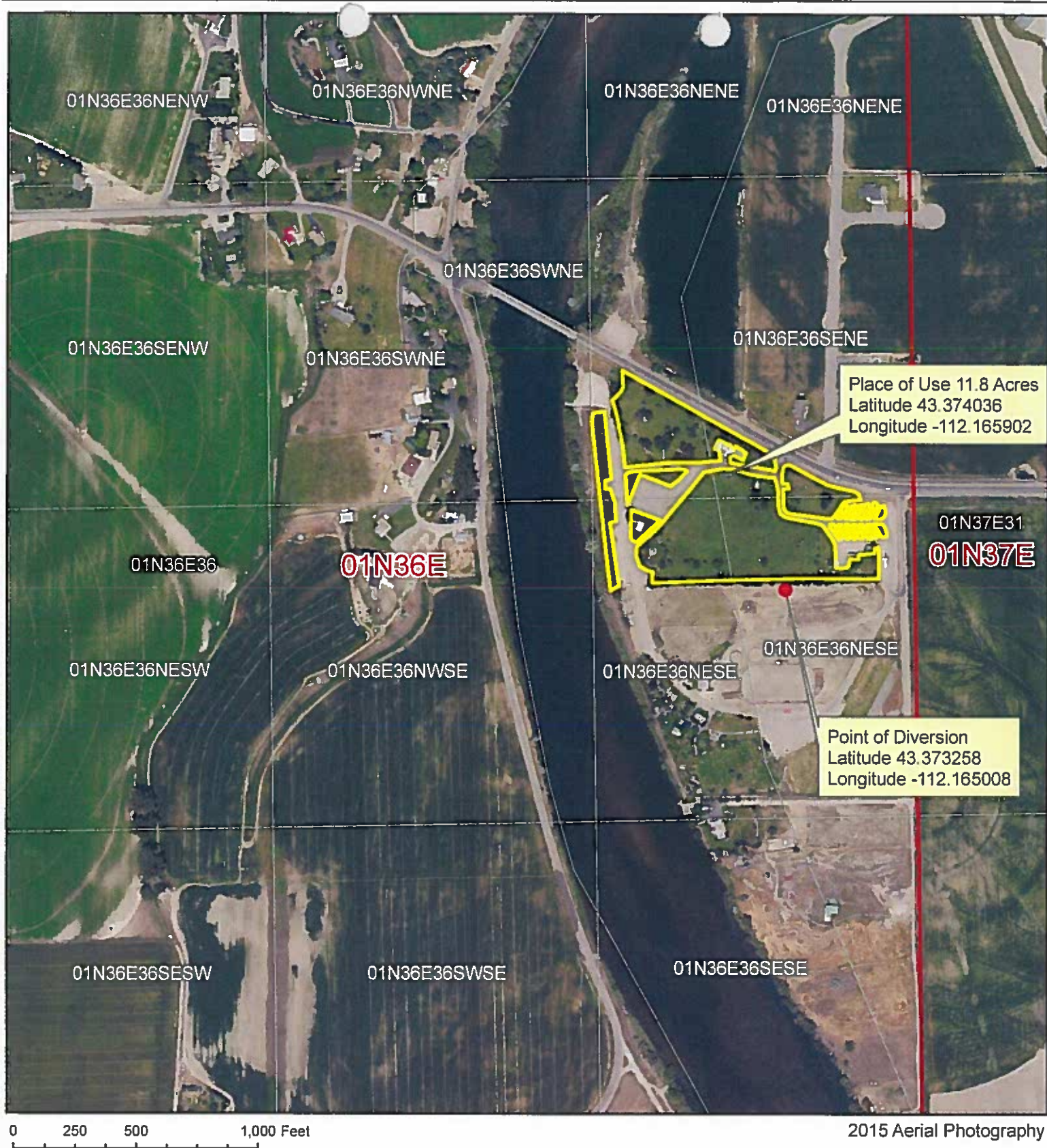
Signature of Representative

Printed Name of Representative

Date

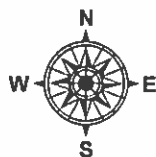
Mail to:

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



Legend

 NorthBinghamPark



Attachment 2

North Bingham Park
Bingham County, Idaho

RMEA #16-0037

by: KM

March 3, 2017



Attachment 3H

Eastern Snake Plain Aquifer Modeling Analysis

At the proposed place of use, the Applicant desires to irrigate 11.8 acres. Water Rights 35-13993 and 35-13995 are proposed to be rented from the Water Supply Bank in this rental application. Using ESPAM 3.2 to simulate the depletions of transferring 11.8 acres from the original points of diversion of 35-13993 and 35-13995 to the proposed place of use, the affects do not exceed the threshold of 2.0 af/trimester. No Mitigation is required.

Figures 1-3 include excerpts from the ESPAM 3.2 simulation.

Figure 1. Data Entry

ENHANCED GROUND-WATER RIGHTS TRANS
 UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE IDAHO DEPA

Cells this color are set up for user entries

UPDATE DATES

RUN MODEL

GET OUTPUT

ENTER STARTING DATE FOR SIMULATION. THEN PUSH "UPDATE DATES" BUTTO

TRANSFER NO: 123

YEAR: 1954

SEASON: SUMMER

TRANSFER NAME: test

CALCULATE EFFECTS

ENTER CELL LOCATIONS:

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	77	75	75	45
COLUMN	151	134	105	30

OF ACTIVITY	Projected Use AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER
SUM 1954	0	16	16	0	0	0	0
WIN 1954	0	16	16	0	0	0	0
SPR 1955	0	16	16	0	0	0	0
SUM 1955	0	16	16	0	0	0	0
WIN 1955	0	16	16	0	0	0	0
SPR 2016	0	16	16	0	0	0	0
SUM 2016	0	16	16	0	0	0	0
WIN 2016	0	16	16	0	0	0	0
SPR 2017	16	0	16	0	0	0	0
SUM 2017	16	0	16	0	0	0	0
WIN 2017	16	0	16	0	0	0	0
SPR 2018	0	16	16	0	0	0	0
SUM 2018	0	16	16	0	0	0	0
WIN 2018	0	16	16	0	0	0	0
SPR 2103	0	16	16	0	0	0	0
SUM 2103	0	16	16	0	0	0	0
WIN 2103	0	16	16	0	0	0	0
SPR 2104	0	16	16	0	0	0	0

Net Transfer Effect Above Milner
(Total Effect With Transfer - Total Effect Without Transfer)

Depletion
 (Acre Feet per Trimester)

Legend:

- Ashton to Rexburg
- Heise to Shelley
- Shelley to Near Blackfoot
- Near Blackfoot to Neeley
- Neeley to Minidoka

Customer Name: Bingham County Transfer No: 3/13/2017
 Version 3.2

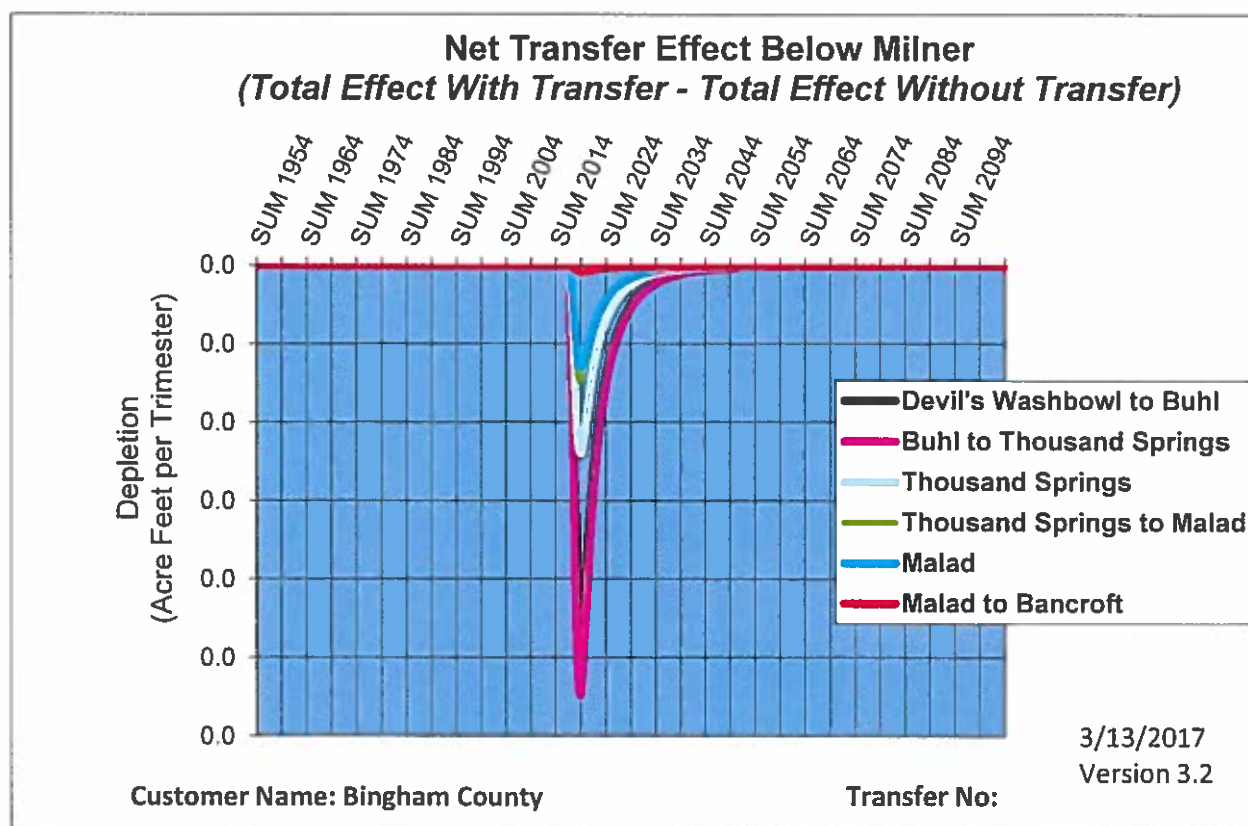


Figure 3. Calculated Affects.

	TOTAL EFFECT WITH TRANSFER (AF/four months)											
	Ashton to Rexburg	Heise to Shelley	Shelley to Nr Bickft	Nr Bickft To Neeley	Neeley to Minidoka	Dev. Wbl. Buhl	Buhl to Kspr	Kspr	Kspr to Malad	Malad	Malad to Bancroft	
SUM 1954	0.0	0.1	0.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
WIN 1954	0.0	0.1	1.2	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SPR 1955	0.0	0.2	1.5	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SUM 1955	0.0	0.3	1.8	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
WIN 1955	0.0	0.3	2.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SPR 1956	0.0	0.4	2.1	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SUM 1956	0.0	0.4	2.3	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
WIN 1956	0.0	0.5	2.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SPR 1957	0.0	0.5	2.5	7.8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	
SUM 1957	0.0	0.5	2.5	8.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	
WIN 1957	0.0	0.6	2.6	8.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	
SPR 1958	0.1	0.6	2.7	8.3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	
SUM 1958	0.1	0.6	2.7	8.5	0.0	0.1	0.1	0.0	0.0	0.0	0.0	
WIN 1958	0.1	0.6	2.8	8.6	0.0	0.1	0.1	0.0	0.0	0.0	0.0	
SPR 1959	0.1	0.7	2.8	8.7	0.0	0.1	0.1	0.0	0.0	0.0	0.0	
SUM 1959	0.1	0.7	2.8	8.8	0.0	0.1	0.1	0.0	0.0	0.0	0.0	
WIN 1959	0.1	0.7	2.9	8.9	0.0	0.1	0.1	0.0	0.0	0.0	0.0	
SPR 1960	0.1	0.7	2.9	9.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	
SUM 1960	0.1	0.7	2.9	9.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	
WIN 1960	0.1	0.7	2.9	9.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	
SPR 1961	0.1	0.8	3.0	9.2	0.0	0.1	0.1	0.1	0.0	0.0	0.0	
SUM 1961	0.1	0.8	3.0	9.2	0.0	0.1	0.1	0.1	0.0	0.0	0.0	
WIN 1961	0.1	0.8	3.0	9.3	0.0	0.1	0.1	0.1	0.0	0.0	0.0	
SPR 1962	0.1	0.8	3.0	9.3	0.0	0.1	0.1	0.1	0.0	0.0	0.0	
SUM 1962	0.1	0.8	3.0	9.4	0.0	0.1	0.1	0.1	0.0	0.0	0.0	
WIN 1962	0.1	0.8	3.1	9.4	0.0	0.1	0.1	0.1	0.0	0.0	0.0	
SPR 1963	0.2	0.8	3.1	9.4	0.0	0.1	0.1	0.1	0.0	0.0	0.0	
SUM 1963	0.2	0.8	3.1	9.5	0.0	0.1	0.1	0.1	0.0	0.0	0.0	
WIN 1963	0.2	0.8	3.1	9.5	0.0	0.1	0.2	0.1	0.0	0.0	0.0	
SPR 1964	0.2	0.8	3.1	9.6	0.0	0.1	0.2	0.1	0.0	0.0	0.0	
SUM 1964	0.2	0.9	3.1	9.6	0.0	0.1	0.2	0.1	0.0	0.0	0.0	
WIN 1964	0.2	0.9	3.1	9.6	0.0	0.1	0.2	0.1	0.0	0.0	0.0	
SPR 1965	0.2	0.9	3.1	9.6	0.0	0.1	0.2	0.1	0.0	0.0	0.0	
SUM 1965	0.2	0.9	3.2	9.7	0.0	0.1	0.2	0.1	0.0	0.0	0.0	
WIN 1965	0.2	0.9	3.2	9.7	0.0	0.1	0.2	0.1	0.0	0.0	0.0	
SPR 1966	0.2	0.9	3.2	9.7	0.0	0.1	0.2	0.1	0.0	0.0	0.0	
SUM 1966	0.2	0.9	3.2	9.7	0.0	0.1	0.2	0.1	0.0	0.0	0.0	
WIN 1966	0.2	0.9	3.2	9.8	0.0	0.1	0.2	0.1	0.0	0.0	0.0	
SPR 1967	0.2	0.9	3.2	9.8	0.0	0.2	0.2	0.1	0.0	0.0	0.0	
SUM 1967	0.2	0.9	3.2	9.8	0.0	0.2	0.2	0.1	0.0	0.0	0.0	
WIN 1967	0.2	0.9	3.2	9.8	0.0	0.2	0.2	0.1	0.0	0.0	0.0	
SPR 1968	0.2	0.9	3.2	9.8	0.0	0.2	0.2	0.1	0.0	0.0	0.0	
SUM 1968	0.2	0.9	3.2	9.9	0.0	0.2	0.2	0.1	0.0	0.0	0.0	
WIN 1968	0.2	0.9	3.2	9.9	0.0	0.2	0.2	0.1	0.1	0.0	0.0	
SPR 1969	0.2	0.9	3.2	9.9	0.0	0.2	0.2	0.1	0.1	0.0	0.0	
SUM 1969	0.2	0.9	3.2	9.9	0.0	0.2	0.2	0.1	0.1	0.0	0.0	
WIN 1969	0.2	1.0	3.2	9.9	0.0	0.2	0.2	0.1	0.1	0.0	0.0	
SPR 1970	0.2	1.0	3.2	9.9	0.0	0.2	0.2	0.1	0.1	0.0	0.0	
SUM 1970	0.2	1.0	3.3	10.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	
SPR 1973	0.3	1.0	3.3	10.0	0.1	0.2	0.2	0.1	0.1	0.0	0.0	
SUM 1973	0.3	1.0	3.3	10.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	
WIN 1973	0.3	1.0	3.3	10.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	
SPR 1977	0.3	1.0	3.3	10.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	
SUM 1977	0.3	1.0	3.3	10.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	
WIN 1977	0.3	1.0	3.3	10.2	0.1	0.2	0.2	0.1	0.1	0.1	0.0	
SPR 1978	0.3	1.0	3.3	10.2	0.1	0.2	0.2	0.1	0.1	0.1	0.0	
SUM 1982	0.3	1.1	3.3	10.2	0.1	0.2	0.2	0.1	0.1	0.1	0.0	
WIN 1982	0.3	1.1	3.3	10.2	0.1	0.2	0.2	0.1	0.1	0.1	0.0	

SPR 1983	0.3	1.1	3.4	10.2	0.1	0.2	0.2	0.1	0.1	0.1	0.0
SUM 1983	0.3	1.1	3.4	10.2	0.1	0.2	0.2	0.1	0.1	0.1	0.0
SPR 1985	0.3	1.1	3.4	10.2	0.1	0.2	0.2	0.1	0.1	0.1	0.0
SUM 1985	0.3	1.1	3.4	10.3	0.1	0.2	0.2	0.1	0.1	0.1	0.0
WIN 1985	0.3	1.1	3.4	10.3	0.1	0.2	0.2	0.1	0.1	0.1	0.0
WIN 1997	0.3	1.1	3.4	10.3	0.1	0.2	0.2	0.1	0.1	0.1	0.0
SPR 1998	0.3	1.1	3.4	10.3	0.1	0.2	0.2	0.1	0.1	0.1	0.0
SUM 1998	0.4	1.1	3.4	10.3	0.1	0.2	0.2	0.1	0.1	0.1	0.0
SPR 2007	0.4	1.1	3.4	10.3	0.1	0.2	0.2	0.1	0.1	0.1	0.0
SUM 2007	0.4	1.1	3.4	10.4	0.1	0.2	0.2	0.1	0.1	0.1	0.0
WIN 2007	0.4	1.1	3.4	10.4	0.1	0.2	0.2	0.1	0.1	0.1	0.0
SPR 2016	0.4	1.1	3.4	10.4	0.1	0.2	0.2	0.1	0.1	0.1	0.0
SUM 2016	0.4	1.1	3.4	10.4	0.1	0.2	0.2	0.1	0.1	0.1	0.0
WIN 2016	0.4	1.1	3.4	10.4	0.1	0.2	0.2	0.1	0.1	0.1	0.0
SPR 2017	0.4	1.5	4.4	8.3	0.1	0.2	0.2	0.1	0.1	0.1	0.0
SUM 2017	0.4	1.8	4.8	7.7	0.1	0.2	0.2	0.1	0.1	0.1	0.0
WIN 2017	0.4	1.9	5.0	7.4	0.1	0.2	0.2	0.1	0.1	0.1	0.0
SPR 2018	0.4	1.6	4.1	9.3	0.1	0.2	0.2	0.1	0.1	0.1	0.0
SUM 2018	0.4	1.4	3.8	9.9	0.1	0.2	0.2	0.1	0.1	0.1	0.0
WIN 2018	0.4	1.3	3.6	10.2	0.1	0.2	0.2	0.1	0.1	0.1	0.0
SPR 2019	0.4	1.2	3.5	10.3	0.1	0.2	0.2	0.1	0.1	0.1	0.0
SUM 2019	0.4	1.2	3.5	10.3	0.1	0.2	0.2	0.1	0.1	0.1	0.0
WIN 2019	0.4	1.2	3.5	10.4	0.1	0.2	0.2	0.1	0.1	0.1	0.0
SPR 2020	0.4	1.2	3.4	10.4	0.1	0.2	0.2	0.1	0.1	0.1	0.0
WIN 2103	0.4	1.1	3.4	10.4	0.1	0.2	0.2	0.1	0.1	0.1	0.0
SPR 2104	0.4	1.1	3.4	10.4	0.1	0.2	0.2	0.1	0.1	0.1	0.0

ENHANCED GROUND-WATER RIGHTS TRANSFER SPREADSHEET

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPARTMENT OF WATER RESOURCES

Cells this color are set up for user entries

ENTER STARTING DATE FOR

SIMULATION. THEN PUSH "UPDATE DATES" BUTTON

TRANSFER NO:

29-14096 / 29-1409

YEAR

1971

TRANSFER NAME:

SEASON

WINTER

Bingham County

ENTER CELL LOCATIONS:

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	77	97	0	0
COLUMN	151	121	0	0

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	FROM1 WELL		FROM2 WELL		FROM3 WELL	
		With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER
WIN 1971	0	11	11	0	0	0	0
SPR 1972	0	11	11	0	0	0	0
SUM 1972	0	11	11	0	0	0	0
WIN 1972	0	11	11	0	0	0	0
SPR 1973	0	11	11	0	0	0	0
SUM 1973	0	11	11	0	0	0	0
WIN 1973	0	11	11	0	0	0	0
SPR 1974	0	11	11	0	0	0	0
SUM 1974	0	11	11	0	0	0	0
WIN 1974	0	11	11	0	0	0	0
SPR 1975	0	11	11	0	0	0	0
SUM 1975	0	11	11	0	0	0	0
WIN 1975	0	11	11	0	0	0	0
SPR 1976	0	11	11	0	0	0	0
SUM 1976	0	11	11	0	0	0	0
WIN 1976	0	11	11	0	0	0	0
SPR 1977	0	11	11	0	0	0	0
SUM 1977	0	11	11	0	0	0	0
WIN 1977	0	11	11	0	0	0	0
SPR 1978	0	11	11	0	0	0	0
SUM 1978	0	11	11	0	0	0	0
WIN 1978	0	11	11	0	0	0	0
SPR 1979	0	11	11	0	0	0	0
SUM 1979	0	11	11	0	0	0	0
WIN 1979	0	11	11	0	0	0	0
SPR 1980	0	11	11	0	0	0	0
SUM 1980	0	11	11	0	0	0	0
WIN 1980	0	11	11	0	0	0	0
SPR 1981	0	11	11	0	0	0	0
SUM 1981	0	11	11	0	0	0	0
WIN 1981	0	11	11	0	0	0	0
SPR 1982	0	11	11	0	0	0	0
SUM 1982	0	11	11	0	0	0	0
WIN 1982	0	11	11	0	0	0	0
SPR 1983	0	11	11	0	0	0	0
SUM 1983	0	11	11	0	0	0	0
WIN 1983	0	11	11	0	0	0	0
SPR 1984	0	11	11	0	0	0	0
SUM 1984	0	11	11	0	0	0	0
WIN 1984	0	11	11	0	0	0	0
SPR 1985	0	11	11	0	0	0	0
SUM 1985	0	11	11	0	0	0	0
WIN 1985	0	11	11	0	0	0	0
SPR 1986	0	11	11	0	0	0	0
SUM 1986	0	11	11	0	0	0	0
WIN 1986	0	11	11	0	0	0	0
SPR 1987	0	11	11	0	0	0	0
SUM 1987	0	11	11	0	0	0	0
WIN 1987	0	11	11	0	0	0	0
SPR 1988	0	11	11	0	0	0	0
SUM 1988	0	11	11	0	0	0	0
WIN 1988	0	11	11	0	0	0	0
SPR 1989	0	11	11	0	0	0	0
SUM 1989	0	11	11	0	0	0	0
WIN 1989	0	11	11	0	0	0	0
SPR 1990	0	11	11	0	0	0	0
SUM 1990	0	11	11	0	0	0	0
WIN 1990	0	11	11	0	0	0	0
SPR 1991	0	11	11	0	0	0	0
SUM 1991	0	11	11	0	0	0	0
WIN 1991	0	11	11	0	0	0	0
SPR 1992	0	11	11	0	0	0	0
SUM 1992	0	11	11	0	0	0	0

Entering Dates

Enter the starting year and season for your analysis period. (Spring is Mar, Apr, May. Summer is Jul, Aug, Sep and Oct. Winter is Nov, Dec, Jan, Feb, Mar. April. Once you have entered the starting date, push the "UPDATE DATES" button. The date only needs to be updated once, unless you are modifying the date. Modifying the date does not automatically adjust the model.

Entering Well Locations

Enter the row and column location for the 'TO' well. Enter the row and column location for the 'FROM1' well. Enter the row and column location for the 'FROM2' well. Enter the row and column location for the 'FROM3' well. If the 'FROM2' well is not to be modeled, the 'FROM2' cell should be set to 0. If the 'FROM3' well is not to be modeled, the 'FROM3' cell should be set to 0. The 'FROM3' well cannot be used if the 'FROM2' well is not modeled.

Running the Model

Once the model cells have been specified for the 'TO' well and the 'FROM' wells, push the 'RUN MODEL' button to generate the results. The results will be displayed in the 'RESULTS' worksheet. The results need to be re-run if the locations of the 'FROM' wells are changed.

Getting the Model Output

Once the model has been run, push the 'GET MODEL OUTPUT' button. This prepares the model output for viewing in the 'RESULTS' worksheet.

Entering water use data

All water use should be entered in units of acre-feet per year. For instructions on multiple water rights with different priorities, see the Users Manual.

Entering 'TO' Well Projected Water Use

Enter the projected water use for the 'TO' well. The water use should start in the trimester (4-month period) specified in the 'START DATE' cell.

Entering 'FROM' Well 'With Transfer' Use

Enter the 'With Transfer' water use for the first 'FROM' well in Column D, and for the second 'FROM' well in Column E, and for the third 'FROM' well in Column F, and for the fourth 'FROM' well in Column G. The water use should reflect historical water use or should cease or be reduced at the time of the transfer.

Entering 'FROM' Well 'Without Transfer' Use

The 'Without Transfer' Use for the 'FROM' well should be entered in the 'WITHOUT TRANSFER' column. The projected use should reflect expected future water use. Enter the 'Without Transfer' water use for the first 'FROM' well in Column D, and for the second 'FROM' well in Column E, and for the third 'FROM' well in Column F, and for the fourth 'FROM' well in Column G. Prior to the expected date of transfer, the 'Without Transfer' water use should be entered.

If only one 'FROM' well is to be represented, enter the 'Without Transfer' water use for the first 'FROM' well in Column D. If only two 'FROM' wells are being represented, enter the 'Without Transfer' water use for the first 'FROM' well in Column D and the second 'FROM' well in Column E. Projected water use in the 'TO' well and the 'Without Transfer' water use in the 'FROM' wells should reflect the effect to the river reaches caused by the water transfer.

Calculating Effect of the Transfer on River Reaches

After all of the above steps have been completed, push the 'CALCULATE EFFECTS' button. This will re-run the model (times the water use rates entered in the 'MULTIPLIER' cell). After the multiplication has been performed, the results will be displayed in the 'RESULTS' worksheet. Here one graph is provided showing the net effects on all 11 reaches. See the Users Manual for more information.

WIN 1992	0	11	11	0	0	0	0
SPR 1993	0	11	11	0	0	0	0
SUM 1993	0	11	11	0	0	0	0
WIN 1993	0	11	11	0	0	0	0
SPR 1994	0	11	11	0	0	0	0
SUM 1994	0	11	11	0	0	0	0
WIN 1994	0	11	11	0	0	0	0
SPR 1995	0	11	11	0	0	0	0
SUM 1995	0	11	11	0	0	0	0
WIN 1995	0	11	11	0	0	0	0
SPR 1996	0	11	11	0	0	0	0
SUM 1996	0	11	11	0	0	0	0
WIN 1996	0	11	11	0	0	0	0
SPR 1997	0	11	11	0	0	0	0
SUM 1997	0	11	11	0	0	0	0
WIN 1997	0	11	11	0	0	0	0
SPR 1998	0	11	11	0	0	0	0
SUM 1998	0	11	11	0	0	0	0
WIN 1998	0	11	11	0	0	0	0
SPR 1999	0	11	11	0	0	0	0
SUM 1999	0	11	11	0	0	0	0
WIN 1999	0	11	11	0	0	0	0
SPR 2000	0	11	11	0	0	0	0
SUM 2000	0	11	11	0	0	0	0
WIN 2000	0	11	11	0	0	0	0
SPR 2001	0	11	11	0	0	0	0
SUM 2001	0	11	11	0	0	0	0
WIN 2001	0	11	11	0	0	0	0
SPR 2002	0	11	11	0	0	0	0
SUM 2002	0	11	11	0	0	0	0
WIN 2002	0	11	11	0	0	0	0
SPR 2003	0	11	11	0	0	0	0
SUM 2003	0	11	11	0	0	0	0
WIN 2003	0	11	11	0	0	0	0
SPR 2004	0	11	11	0	0	0	0
SUM 2004	0	11	11	0	0	0	0
WIN 2004	0	11	11	0	0	0	0
SPR 2005	0	11	11	0	0	0	0
SUM 2005	0	11	11	0	0	0	0
WIN 2005	0	11	11	0	0	0	0
SPR 2006	0	11	11	0	0	0	0
SUM 2006	0	11	11	0	0	0	0
WIN 2006	0	11	11	0	0	0	0
SPR 2007	0	11	11	0	0	0	0
SUM 2007	0	11	11	0	0	0	0
WIN 2007	0	11	11	0	0	0	0
SPR 2008	0	11	11	0	0	0	0
SUM 2008	0	11	11	0	0	0	0
WIN 2008	0	11	11	0	0	0	0
SPR 2009	0	11	11	0	0	0	0
SUM 2009	0	11	11	0	0	0	0
WIN 2009	0	11	11	0	0	0	0
SPR 2010	0	11	11	0	0	0	0
SUM 2010	0	11	11	0	0	0	0
WIN 2010	0	11	11	0	0	0	0
SPR 2011	0	11	11	0	0	0	0
SUM 2011	0	11	11	0	0	0	0
WIN 2011	0	11	11	0	0	0	0
SPR 2012	0	11	11	0	0	0	0
SUM 2012	0	11	11	0	0	0	0
WIN 2012	0	11	11	0	0	0	0
SPR 2013	0	11	11	0	0	0	0
SUM 2013	0	11	11	0	0	0	0
WIN 2013	0	11	11	0	0	0	0
SPR 2014	0	11	11	0	0	0	0
SUM 2014	0	11	11	0	0	0	0
WIN 2014	0	11	11	0	0	0	0
SPR 2015	0	11	11	0	0	0	0
SUM 2015	0	11	11	0	0	0	0
WIN 2015	0	11	11	0	0	0	0
SPR 2016	0	11	11	0	0	0	0
SUM 2016	0	11	11	0	0	0	0
WIN 2016	0	11	11	0	0	0	0
SPR 2017	11	0	11	0	0	0	0
SUM 2017	11	0	11	0	0	0	0
WIN 2017	11	0	11	0	0	0	0
SPR 2018	0	11	11	0	0	0	0
SUM 2018	0	11	11	0	0	0	0
WIN 2018	0	11	11	0	0	0	0
SPR 2019	0	11	11	0	0	0	0
SUM 2019	0	11	11	0	0	0	0
WIN 2019	0	11	11	0	0	0	0
SPR 2020	0	11	11	0	0	0	0
SUM 2020	0	11	11	0	0	0	0
WIN 2020	0	11	11	0	0	0	0
SPR 2021	0	11	11	0	0	0	0
SUM 2021	0	11	11	0	0	0	0
WIN 2021	0	11	11	0	0	0	0
SPR 2022	0	11	11	0	0	0	0
SUM 2022	0	11	11	0	0	0	0
WIN 2022	0	11	11	0	0	0	0
SPR 2023	0	11	11	0	0	0	0
SUM 2023	0	11	11	0	0	0	0
WIN 2023	0	11	11	0	0	0	0
SPR 2024	0	11	11	0	0	0	0
SUM 2024	0	11	11	0	0	0	0
WIN 2024	0	11	11	0	0	0	0
SPR 2025	0	11	11	0	0	0	0

BUM 2025	0	11	11	0	0	0	0
WIN 2025	0	11	11	0	0	0	0
SPR 2026	0	11	11	0	0	0	0
SUM 2026	0	11	11	0	0	0	0
WIN 2026	0	11	11	0	0	0	0
SPR 2027	0	11	11	0	0	0	0
SUM 2027	0	11	11	0	0	0	0
WIN 2027	0	11	11	0	0	0	0
SPR 2028	0	11	11	0	0	0	0
SUM 2028	0	11	11	0	0	0	0
WIN 2028	0	11	11	0	0	0	0
SPR 2029	0	11	11	0	0	0	0
SUM 2029	0	11	11	0	0	0	0
WIN 2029	0	11	11	0	0	0	0
SPR 2030	0	11	11	0	0	0	0
SUM 2030	0	11	11	0	0	0	0
WIN 2030	0	11	11	0	0	0	0
SPR 2031	0	11	11	0	0	0	0
SUM 2031	0	11	11	0	0	0	0
WIN 2031	0	11	11	0	0	0	0
SPR 2032	0	11	11	0	0	0	0
SUM 2032	0	11	11	0	0	0	0
WIN 2032	0	11	11	0	0	0	0
SPR 2033	0	11	11	0	0	0	0
SUM 2033	0	11	11	0	0	0	0
WIN 2033	0	11	11	0	0	0	0
SPR 2034	0	11	11	0	0	0	0
SUM 2034	0	11	11	0	0	0	0
WIN 2034	0	11	11	0	0	0	0
SPR 2035	0	11	11	0	0	0	0
SUM 2035	0	11	11	0	0	0	0
WIN 2035	0	11	11	0	0	0	0
SPR 2036	0	11	11	0	0	0	0
SUM 2036	0	11	11	0	0	0	0
WIN 2036	0	11	11	0	0	0	0
SPR 2037	0	11	11	0	0	0	0
SUM 2037	0	11	11	0	0	0	0
WIN 2037	0	11	11	0	0	0	0
SPR 2038	0	11	11	0	0	0	0
SUM 2038	0	11	11	0	0	0	0
WIN 2038	0	11	11	0	0	0	0
SPR 2039	0	11	11	0	0	0	0
SUM 2039	0	11	11	0	0	0	0
WIN 2039	0	11	11	0	0	0	0
SPR 2040	0	11	11	0	0	0	0
SUM 2040	0	11	11	0	0	0	0
WIN 2040	0	11	11	0	0	0	0
SPR 2041	0	11	11	0	0	0	0
SUM 2041	0	11	11	0	0	0	0
WIN 2041	0	11	11	0	0	0	0
SPR 2042	0	11	11	0	0	0	0
SUM 2042	0	11	11	0	0	0	0
WIN 2042	0	11	11	0	0	0	0
SPR 2043	0	11	11	0	0	0	0
SUM 2043	0	11	11	0	0	0	0
WIN 2043	0	11	11	0	0	0	0
SPR 2044	0	11	11	0	0	0	0
SUM 2044	0	11	11	0	0	0	0
WIN 2044	0	11	11	0	0	0	0
SPR 2045	0	11	11	0	0	0	0
SUM 2045	0	11	11	0	0	0	0
WIN 2045	0	11	11	0	0	0	0
SPR 2046	0	11	11	0	0	0	0
SUM 2046	0	11	11	0	0	0	0
WIN 2046	0	11	11	0	0	0	0
SPR 2047	0	11	11	0	0	0	0
SUM 2047	0	11	11	0	0	0	0
WIN 2047	0	11	11	0	0	0	0
SPR 2048	0	11	11	0	0	0	0
SUM 2048	0	11	11	0	0	0	0
WIN 2048	0	11	11	0	0	0	0
SPR 2049	0	11	11	0	0	0	0
SUM 2049	0	11	11	0	0	0	0
WIN 2049	0	11	11	0	0	0	0
SPR 2050	0	11	11	0	0	0	0
SUM 2050	0	11	11	0	0	0	0
WIN 2050	0	11	11	0	0	0	0
SPR 2051	0	11	11	0	0	0	0
SUM 2051	0	11	11	0	0	0	0
WIN 2051	0	11	11	0	0	0	0
SPR 2052	0	11	11	0	0	0	0
SUM 2052	0	11	11	0	0	0	0
WIN 2052	0	11	11	0	0	0	0
SPR 2053	0	11	11	0	0	0	0
SUM 2053	0	11	11	0	0	0	0
WIN 2053	0	11	11	0	0	0	0
SPR 2054	0	11	11	0	0	0	0
SUM 2054	0	11	11	0	0	0	0
WIN 2054	0	11	11	0	0	0	0
SPR 2055	0	11	11	0	0	0	0
SUM 2055	0	11	11	0	0	0	0
WIN 2055	0	11	11	0	0	0	0
SPR 2056	0	11	11	0	0	0	0
SUM 2056	0	11	11	0	0	0	0
WIN 2056	0	11	11	0	0	0	0
SPR 2057	0	11	11	0	0	0	0
SUM 2057	0	11	11	0	0	0	0
WIN 2057	0	11	11	0	0	0	0

SPR 2058	0	11	11	0	0	0	0
SUM 2058	0	11	11	0	0	0	0
WIN 2058	0	11	11	0	0	0	0
SPR 2059	0	11	11	0	0	0	0
SUM 2059	0	11	11	0	0	0	0
WIN 2059	0	11	11	0	0	0	0
SPR 2060	0	11	11	0	0	0	0
SUM 2060	0	11	11	0	0	0	0
WIN 2060	0	11	11	0	0	0	0
SPR 2061	0	11	11	0	0	0	0
SUM 2061	0	11	11	0	0	0	0
WIN 2061	0	11	11	0	0	0	0
SPR 2062	0	11	11	0	0	0	0
SUM 2062	0	11	11	0	0	0	0
WIN 2062	0	11	11	0	0	0	0
SPR 2063	0	11	11	0	0	0	0
SUM 2063	0	11	11	0	0	0	0
WIN 2063	0	11	11	0	0	0	0
SPR 2064	0	11	11	0	0	0	0
SUM 2064	0	11	11	0	0	0	0
WIN 2064	0	11	11	0	0	0	0
SPR 2065	0	11	11	0	0	0	0
SUM 2065	0	11	11	0	0	0	0
WIN 2065	0	11	11	0	0	0	0
SPR 2066	0	11	11	0	0	0	0
SUM 2066	0	11	11	0	0	0	0
WIN 2066	0	11	11	0	0	0	0
SPR 2067	0	11	11	0	0	0	0
SUM 2067	0	11	11	0	0	0	0
WIN 2067	0	11	11	0	0	0	0
SPR 2068	0	11	11	0	0	0	0
SUM 2068	0	11	11	0	0	0	0
WIN 2068	0	11	11	0	0	0	0
SPR 2069	0	11	11	0	0	0	0
SUM 2069	0	11	11	0	0	0	0
WIN 2069	0	11	11	0	0	0	0
SPR 2070	0	11	11	0	0	0	0
SUM 2070	0	11	11	0	0	0	0
WIN 2070	0	11	11	0	0	0	0
SPR 2071	0	11	11	0	0	0	0
SUM 2071	0	11	11	0	0	0	0
WIN 2071	0	11	11	0	0	0	0
SPR 2072	0	11	11	0	0	0	0
SUM 2072	0	11	11	0	0	0	0
WIN 2072	0	11	11	0	0	0	0
SPR 2073	0	11	11	0	0	0	0
SUM 2073	0	11	11	0	0	0	0
WIN 2073	0	11	11	0	0	0	0
SPR 2074	0	11	11	0	0	0	0
SUM 2074	0	11	11	0	0	0	0
WIN 2074	0	11	11	0	0	0	0
SPR 2075	0	11	11	0	0	0	0
SUM 2075	0	11	11	0	0	0	0
WIN 2075	0	11	11	0	0	0	0
SPR 2076	0	11	11	0	0	0	0
SUM 2076	0	11	11	0	0	0	0
WIN 2076	0	11	11	0	0	0	0
SPR 2077	0	11	11	0	0	0	0
SUM 2077	0	11	11	0	0	0	0
WIN 2077	0	11	11	0	0	0	0
SPR 2078	0	11	11	0	0	0	0
SUM 2078	0	11	11	0	0	0	0
WIN 2078	0	11	11	0	0	0	0
SPR 2079	0	11	11	0	0	0	0
SUM 2079	0	11	11	0	0	0	0
WIN 2079	0	11	11	0	0	0	0
SPR 2080	0	11	11	0	0	0	0
SUM 2080	0	11	11	0	0	0	0
WIN 2080	0	11	11	0	0	0	0
SPR 2081	0	11	11	0	0	0	0
SUM 2081	0	11	11	0	0	0	0
WIN 2081	0	11	11	0	0	0	0
SPR 2082	0	11	11	0	0	0	0
SUM 2082	0	11	11	0	0	0	0
WIN 2082	0	11	11	0	0	0	0
SPR 2083	0	11	11	0	0	0	0
SUM 2083	0	11	11	0	0	0	0
WIN 2083	0	11	11	0	0	0	0
SPR 2084	0	11	11	0	0	0	0
SUM 2084	0	11	11	0	0	0	0
WIN 2084	0	11	11	0	0	0	0
SPR 2085	0	11	11	0	0	0	0
SUM 2085	0	11	11	0	0	0	0
WIN 2085	0	11	11	0	0	0	0
SPR 2086	0	11	11	0	0	0	0
SUM 2086	0	11	11	0	0	0	0
WIN 2086	0	11	11	0	0	0	0
SPR 2087	0	11	11	0	0	0	0
SUM 2087	0	11	11	0	0	0	0
WIN 2087	0	11	11	0	0	0	0
SPR 2088	0	11	11	0	0	0	0
SUM 2088	0	11	11	0	0	0	0
WIN 2088	0	11	11	0	0	0	0
SPR 2089	0	11	11	0	0	0	0
SUM 2089	0	11	11	0	0	0	0
WIN 2089	0	11	11	0	0	0	0
SPR 2090	0	11	11	0	0	0	0
SUM 2090	0	11	11	0	0	0	0

WIN 2090	0	11	11	0	0	0	0
SPR 2091	0	11	11	0	0	0	0
SUM 2091	0	11	11	0	0	0	0
WIN 2091	0	11	11	0	0	0	0
SPR 2092	0	11	11	0	0	0	0
SUM 2092	0	11	11	0	0	0	0
WIN 2092	0	11	11	0	0	0	0
SPR 2093	0	11	11	0	0	0	0
SUM 2093	0	11	11	0	0	0	0
WIN 2093	0	11	11	0	0	0	0
SPR 2094	0	11	11	0	0	0	0
SUM 2094	0	11	11	0	0	0	0
WIN 2094	0	11	11	0	0	0	0
SPR 2095	0	11	11	0	0	0	0
SUM 2095	0	11	11	0	0	0	0
WIN 2095	0	11	11	0	0	0	0
SPR 2096	0	11	11	0	0	0	0
SUM 2096	0	11	11	0	0	0	0
WIN 2096	0	11	11	0	0	0	0
SPR 2097	0	11	11	0	0	0	0
SUM 2097	0	11	11	0	0	0	0
WIN 2097	0	11	11	0	0	0	0
SPR 2098	0	11	11	0	0	0	0
SUM 2098	0	11	11	0	0	0	0
WIN 2098	0	11	11	0	0	0	0
SPR 2099	0	11	11	0	0	0	0
SUM 2099	0	11	11	0	0	0	0
WIN 2099	0	11	11	0	0	0	0
SPR 2100	0	11	11	0	0	0	0
SUM 2100	0	11	11	0	0	0	0
WIN 2100	0	11	11	0	0	0	0
SPR 2101	0	11	11	0	0	0	0
SUM 2101	0	11	11	0	0	0	0
WIN 2101	0	11	11	0	0	0	0
SPR 2102	0	11	11	0	0	0	0
SUM 2102	0	11	11	0	0	0	0
WIN 2102	0	11	11	0	0	0	0
SPR 2103	0	11	11	0	0	0	0
SUM 2103	0	11	11	0	0	0	0
WIN 2103	0	11	11	0	0	0	0
SPR 2104	0	11	11	0	0	0	0
SUM 2104	0	11	11	0	0	0	0
WIN 2104	0	11	11	0	0	0	0
SPR 2105	0	11	11	0	0	0	0
SUM 2105	0	11	11	0	0	0	0
WIN 2105	0	11	11	0	0	0	0
SPR 2106	0	11	11	0	0	0	0
SUM 2106	0	11	11	0	0	0	0
WIN 2106	0	11	11	0	0	0	0
SPR 2107	0	11	11	0	0	0	0
SUM 2107	0	11	11	0	0	0	0
WIN 2107	0	11	11	0	0	0	0
SPR 2108	0	11	11	0	0	0	0
SUM 2108	0	11	11	0	0	0	0
WIN 2108	0	11	11	0	0	0	0
SPR 2109	0	11	11	0	0	0	0
SUM 2109	0	11	11	0	0	0	0
WIN 2109	0	11	11	0	0	0	0
SPR 2110	0	11	11	0	0	0	0
SUM 2110	0	11	11	0	0	0	0
WIN 2110	0	11	11	0	0	0	0
SPR 2111	0	11	11	0	0	0	0
SUM 2111	0	11	11	0	0	0	0
WIN 2111	0	11	11	0	0	0	0
SPR 2112	0	11	11	0	0	0	0
SUM 2112	0	11	11	0	0	0	0
WIN 2112	0	11	11	0	0	0	0
SPR 2113	0	11	11	0	0	0	0
SUM 2113	0	11	11	0	0	0	0
WIN 2113	0	11	11	0	0	0	0
SPR 2114	0	11	11	0	0	0	0
SUM 2114	0	11	11	0	0	0	0
WIN 2114	0	11	11	0	0	0	0
SPR 2115	0	11	11	0	0	0	0
SUM 2115	0	11	11	0	0	0	0
WIN 2115	0	11	11	0	0	0	0
SPR 2116	0	11	11	0	0	0	0
SUM 2116	0	11	11	0	0	0	0
WIN 2116	0	11	11	0	0	0	0
SPR 2117	0	11	11	0	0	0	0
SUM 2117	0	11	11	0	0	0	0
WIN 2117	0	11	11	0	0	0	0
SPR 2118	0	11	11	0	0	0	0
SUM 2118	0	11	11	0	0	0	0
WIN 2118	0	11	11	0	0	0	0
SPR 2119	0	11	11	0	0	0	0
SUM 2119	0	11	11	0	0	0	0
WIN 2119	0	11	11	0	0	0	0
SPR 2120	0	11	11	0	0	0	0
SUM 2120	0	11	11	0	0	0	0
WIN 2120	0	11	11	0	0	0	0
SPR 2121	0	11	11	0	0	0	0
SUM 2121	0	11	11	0	0	0	0

29-14096 and 29-14097 to Bingham County Park

	Impact by Reach (AEI/market)	Auction to Auction	Heads to Heads	Steady to Steady	Net Reach to Net Reach	Monthly to Monthly	Down View to Down View	Build to Build	Killer to Killer	Killer to Killer	Missed to Missed	Lead to Lead
	Production	Production	Production	Production	Production	Production	Production	Production	Production	Production	Production	Production
0.18	0.57	1.75	7.01	0.11	0.28	0.32	0.14	0.09	0.08	0.08	0.01	0.01
0.18	0.57	1.75	7.01	0.11	0.28	0.32	0.14	0.09	0.08	0.08	0.01	0.01
0.18	0.57	1.75	7.01	0.11	0.28	0.32	0.14	0.09	0.08	0.08	0.01	0.01
0.18	1.25	3.73	7.79	0.11	0.28	0.32	0.14	0.09	0.08	0.08	0.01	0.01

0.0%

0.0

4.0%

0.0



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

May 23, 2017

BINGHAM COUNTY
83 FRONTAGE RD
BLACKFOOT ID 83221

**RE: RENTAL OF WATER FROM THE WATER SUPPLY BANK
WATER RIGHT NOS. 29-14096 and 29-14097**

Dear Renter:

Please find enclosed a receipt in the amount of **\$1,360.00** and a copy of a fully executed Water Supply Bank Rental Agreement in connection with the rental of 80.0 acre-feet of water for irrigation of 11.8 acres during 2017. Upon receipt of this fully executed agreement, you are authorized to divert water in compliance with the conditions of water use described in the agreement.

Pursuant to the Water Supply Bank Rules, 90% or \$1,224.00 of the rental fee will be paid to the lessor(s) and 10% or \$136.00 will be retained by the Department to offset administrative costs.

If you have any questions, please contact this office at (208) 287-4800.

Sincerely,

Water Supply Bank

Enclosures: Receipt No. C103607
Rental Agreement (copy)

c: Sascha Marston – Fiscal
James Cefalo – IDWR Eastern Regional Office/Water District # 120
Kristin Moore – Rocky Mountain Environmental



State of Idaho

DEPARTMENT OF WATER RESOURCES

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C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

May 11, 2017

BINGHAM COUNTY

~~83 FRONTAGE RD~~

BLACKFOOT ID 83221

501 N. Maple #204

RE: APPLICATION TO RENT WATER FROM THE WATER SUPPLY BANK
WATER RIGHT NO(S). 29-14096 and 29-14097

TIME SENSITIVE RESPONSE REQUIRED

Dear Applicant:

The Department of Water Resources acknowledges receipt of your application to rent water from the Water Supply Bank. I have enclosed a Water Supply Bank Rental Agreement for your review and signature. Upon signature and return of the original agreement, together with the rental fee described below, the Department will also sign the original agreement and return an executed copy to you. Execution of the agreement and compliance with the conditions of approval authorize diversion and use of water as provided in the agreement.

A rental fee of \$1,360.00 was calculated based on the current rental rate of \$17.00 per acre-foot times a diversion volume of 80.0 acre-feet.

Please send a check for \$1,360.00 made payable to the Idaho Department of Water Resources, together with the signed rental agreement, within 14 days so I can complete processing. Pursuant to the Water Supply Bank Rules, 90% or \$1,224.00 of the rental fee will be paid to the lessor(s) and 10% or \$136.00 will be retained by the Department to offset administrative costs.

If you have any questions, please contact this office at (208) 287-4800.

Sincerely,

for 
Water Supply Bank

Enclosure(s)

c: IDWR Front Desk
Kristen Moore-Rocky Mountain Environmental



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

May 11, 2017

BINGHAM COUNTY
83 FRONTAGE RD
BLACKFOOT ID 83221

RE: APPLICATION TO RENT WATER FROM THE WATER SUPPLY BANK
WATER RIGHT NO(S). 29-14096 and 29-14097

*****TIME SENSITIVE RESPONSE REQUIRED*****

Dear Applicant:

The Department of Water Resources acknowledges receipt of your application to rent water from the Water Supply Bank. **I have enclosed a Water Supply Bank Rental Agreement for your review and signature.** Upon signature and return of the original agreement, together with the rental fee described below, the Department will also sign the original agreement and return an executed copy to you. Execution of the agreement and compliance with the conditions of approval authorize diversion and use of water as provided in the agreement.

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Please send a check for \$1,360.00 made payable to the Idaho Department of Water Resources, **together with the signed rental agreement, within 14 days** so I can complete processing. Pursuant to the Water Supply Bank Rules, 90% or \$1,224.00 of the rental fee will be paid to the lessor(s) and 10% or \$136.00 will be retained by the Department to offset administrative costs.

If you have any questions, please contact this office at (208) 287-4800.

Sincerely,

for Jan Hershey
Water Supply Bank

Enclosure(s)

c: IDWR Front Desk
Kristen Moore-Rocky Mountain Environmental

Edl, Michele

From: Kristin Moore <kristin.rmea@gmail.com>
Sent: Monday, May 01, 2017 2:04 PM
To: Edl, Michele
Subject: RE: Bingham County rental

The County and I played phone tag all last week. Bingham County would like to go ahead with the rental of the two Chubbuck rights. They are ok with renting additional acres to get the diversion rate up to 0.02 cfs. It will save everyone time over trying to justify a lower amount or pursuing a different water right.

Thank you,

Kristin Moore
Senior Water Rights Analyst
482 Constitution Way, Ste 303, Idaho Falls, ID 83402
E-Mail: kristin.rmea@gmail.com
VOICE: 208-524-2353 ||| FAX: 208-524-1795



CONFIDENTIALITY NOTICE: This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination or distribution of this communication to other than the intended recipient is strictly prohibited. If you have received this communication in error, please notify us immediately by reply email to the sender or collect telephone call to (208) 524-2353. *Thank you.*

From: Edl, Michele [<mailto:Michele.Edl@idwr.idaho.gov>]
Sent: Monday, April 24, 2017 11:56 AM
To: Kristin Moore <kristin.rmea@gmail.com>
Subject: RE: Bingham County rental

Thank you.

From: Kristin Moore [<mailto:kristin.rmea@gmail.com>]
Sent: Monday, April 24, 2017 9:57 AM
To: Edl, Michele <Michele.Edl@idwr.idaho.gov>
Subject: RE: Bingham County rental

Michele,

Here's the shapefile for the proposed POU.

Thanks,

MEMORANDUM

To: Right(s) 29-14096 and 29-14097

From: Michele Edl

Date: May 1, 2017

Re: Review & Analysis of Bingham County's Application to Rent Water from the State Water Supply Bank

PURPOSE/NARRATIVE: On March 23, 2017, Bingham County submitted an application to rent water from the State Water Supply Bank. Kristin Moore (senior water rights analyst; Rocky Mountain Environmental Associates) provided ESPA modeling in support of the application. The application proposes to rent portions of Water Rights 29-14096 and 29-14097 for the 2017 irrigation season.

AUTHORITY TO FILE: According to available Bingham County taxlot information, the proposed place-of-use is property owned by the applicant.

The proposed POD is an existing well located within that property and can be identified by tag number D0036040. It is not currently the authorized POD for any water right.

County Commissioner A Ladd Carter, signed the application.

WATER RIGHT VALIDITY: The leases of rights 29-14096 and 29-14097 been renewed for the 2017 season. A sufficient quantity of the right appears to be available to rent.

INJURY TO OTHER WATER RIGHTS: No injury is anticipated. Kristin Moore modeled the impact to the ESPA based on consumptive use irrigation volume of a highly consumptive crop. I reviewed the modeling and found that it was reasonable. I re-ran the Etransfer_V3_2 using the standard consumptive use value for the area and the entire number of years that the rights were idled. I concur that no additional mitigation is needed.

ENLARGEMENT OF USE: No enlargement is anticipated. The lease and the rental have the same SOU. However, rights 29-14096 and 29-14097 are for irrigation associated with municipal use and were leased into the bank at less than the standard rate. To make the elements of the rental proportional, additional volume will be rented from the rights but not used.

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 rental use is subject to Water District 120. Neither the watermaster nor Eastern Region are opposed to the rental.

The POD is located within the Bingham Ground Water District.

The full standard volume is authorized for the rental use. The ESPA modeling showed that the rental rights were sufficient to compensate the ESPA.

Water Right No.	Rented Vol (AF)	Lessor Fee (90%)	Administrative Fee (10%)	Total Fee @ \$17 (2017)	Rental Amounts			
Bingham County park					Rate	Acres		
29-14096	80.0	\$1,224.00	\$136.00	\$1,360.00	0.2	11.8		
29-14097		\$0.00	\$0.00	\$0.00				
		\$0.00	\$0.00	\$0.00				
Total	80.0	\$1,224.00	\$136.00	\$1,360.00	0.2	11.8		
calculated by Michele Edl								
29-14096	rate	volume	acre	af/ac	cfs/ac	trimester vol		
decreed	0.21	83.2	20.8	4.00	0.010			HG = 4.0 in this location
leased	0.21	83.2	20.8	4.00	0.010			
available	0.21	83.2	20.8	4.00	0.010			
	% of total rate	0.913043478						
29-14097								
decreed	0.02	8.8	2.2	4.00	0.009			
leased	0.02	8.8	2.2	4.00	0.009			
available	0.02	8.8	2.2	4.00	0.009			
both rights	0.23	92.00	23.00		0.010			acre limit
Bingham County Park v1		35.4				11.8		Standard CU volume
total requested	0.20	31.80	11.80	2.69	0.017	10.6		CU volume model'd
from 29-14096	0.18	71.20	17.80	4.00	0.010			
from 29-14097	0.02	8.80	2.20	4.00	0.009			
total rented	0.20	80.00	20.00	4.00	0.010			adjusted to be proportional to WR rate
actual authorized use	0.20	47.20	11.80	4.00	0.017			
nominal remaining	0.03	12.00	3.00					

Edl, Michele

From: Kristin Moore <kristin.rmea@gmail.com>
Sent: Tuesday, April 25, 2017 1:43 PM
To: Edl, Michele
Subject: RE: request for comment on Bingham County rental

Michele,

The mini pivot is there, but they have discontinued use and they do not have plans to irrigate that portion of the property. Are there other acres that are a concern?

I am waiting for a response from the Commissioners regarding diversion rate and the other issues posed.

Kristin Moore

Senior Water Rights Analyst

482 Constitution Way, Ste 303, Idaho Falls, ID 83402

E-Mail: kristin.rmea@gmail.com

VOICE: 208-524-2353 ||| FAX: 208-524-1795



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From: Edl, Michele [mailto:Michele.Edl@idwr.idaho.gov]
Sent: Tuesday, April 25, 2017 12:07 PM
To: Kristin Moore <kristin.rmea@gmail.com>
Subject: FW: request for comment on Bingham County rental

Kristin,

I have received comment from Eastern Region. I don't know the answer to Mr. Cefalo's question. Can you inform us both?

Thanks

Michele

From: Cefalo, James
Sent: Tuesday, April 25, 2017 11:54 AM
To: Edl, Michele <Michele.Edl@idwr.idaho.gov>
Cc: Jordan, Blake <Blake.Jordan@idwr.idaho.gov>
Subject: RE: request for comment on Bingham County rental

Michele,

I don't have any concerns with the proposed rental. It appears that the county has been diverting ground water for irrigation without a right. We will create a WMIS # for the well and begin to regulate it through water district 120. It is good to hear that the county is seeking a permanent water right for the property.

The proposed rental only covers part of the property. Aerial photos show more acres are irrigated to the south of the proposed POU, including a mini pivot in a horse pasture. What does the county propose to do to cover those acres?

James

From: Edl, Michele
Sent: Tuesday, April 25, 2017 11:29 AM
To: Cefalo, James <James.Cefalo@idwr.idaho.gov>
Subject: request for comment on Bingham County rental

James,

I have completed my review of a water supply bank rental submitted by Kristin Moore on behalf of Bingham County parks.

The POU is the North Bingham Park and the POD is an existing well located within the park. The well is not associated with a water right. Apparently a pump on the Snake River is no longer available for the park to use for irrigation. This rental will give the County time to look for water right or replacement water.

Kristin's original proposal requested rights which were exhausted by early in year. I helped her find two leased B29 rights (City of Chubbuck) that she modeled successfully using the ETRAN utility to represent the rental.

I have attached a map which shows the POU for the rental proposal and my review memo. Please let me know if you have any questions or concerns about this rental.

Thank you again.

Michele Edl
287-4946

Edl, Michele

From: Kristin Moore <kristin.rmea@gmail.com>
Sent: Tuesday, April 18, 2017 12:16 PM
To: Edl, Michele
Subject: RE: Bingham County rental
Attachments: BinghamCnt_2017_WSB.xlsm

Great! Here's a copy of the ESPA spreadsheet modeling from WR #s 29-14096 and 29-14097. I picked one FROM cell, even though there are several points of diversion in several cells. It didn't make much difference which cell I used.

I based the modeling on 11.8 acres at 2.7 af/acre (consumptive use taken from Fort Hall Ind Agency – NWS, precipitation deficit of alfalfa-less frequent cuttings, assuming the highest consumption). My input value for modeling is then 10.6 af/trimester ($11.8 * 2.7 / 3$ trimesters). Consumptive use at the proposed place of use should be less, since they will be irrigating grass, not alfalfa.

Will this work?

Kristin Moore
Senior Water Rights Analyst
482 Constitution Way, Ste 303, Idaho Falls, ID 83402
E-Mail: kristin.rmea@gmail.com
VOICE: 208-524-2353 ||| FAX: 208-524-1795



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From: Edl, Michele [mailto:Michele.Edl@idwr.idaho.gov]
Sent: Tuesday, April 18, 2017 10:52 AM
To: Kristin Moore <kristin.rmea@gmail.com>
Subject: RE: Bingham County rental

Yes, modeling consumptive use acceptable and has been considered in 'tight' situations in other basins for this upcoming season.

So if you can make it work, great! Send me a copy. It will supersede the modeling that you have already supplied.

From: Kristin Moore [mailto:kristin.rmea@gmail.com]
Sent: Tuesday, April 18, 2017 10:39 AM
To: Edl, Michele <Michele.Edl@idwr.idaho.gov>
Subject: RE: Bingham County rental

Michele,

I just had a thought. In the past, IDWR has accepted modeling based on consumptive use. Is that something that is still accepted? If so, then the Chubbuck rights would work. That would be easier than trying to tackle the Areva right.

If it is not something that is accepted, then I will have to confer with Bingham County and see how they would like to go forward.

Kristin Moore

Senior Water Rights Analyst

482 Constitution Way, Ste 303, Idaho Falls, ID 83402

E-Mail: kristin.rmea@gmail.com

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From: Edl, Michele [<mailto:Michele.Edl@idwr.idaho.gov>]

Sent: Tuesday, April 18, 2017 9:59 AM

To: Kristin Moore <kristin.rmea@gmail.com>

Subject: RE: Bingham County rental

Kristin

A portion of 35-13855 is in the WSB and available to rent. However, only 5 acres worth of the leased water is identified as irrigation. It looks like the previous administration of the WSB had issues with this right. I am willing to take up a change in nature of use evaluation and in general revisit the lease for right. But that will take time. Do you want to move forward with the available 5 acres now?

Michele

From: Kristin Moore [<mailto:kristin.rmea@gmail.com>]

Sent: Monday, April 17, 2017 3:04 PM

To: Edl, Michele <Michele.Edl@idwr.idaho.gov>

Subject: RE: Bingham County rental

Michele,

How unfortunate the timing. When we prepared the applications, there were no rental requests for those rights. But we know that is no guarantee. The Chubbuck water rights do not transfer well. The modeling is about 3 af/trimester, and renting additional water doesn't seem to offset the effects much.

There only appears to be one water right that isn't too far south or north, and that is the Areva water right 35-13855. What would be necessary in order to rent this right? I know that it was an irrigation water right that was converted from irrigation to industrial, but then it was never used as industrial. Is there a way to make this right work for irrigation through the WSB?

Kristin Moore

Senior Water Rights Analyst

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From: Edl, Michele [<mailto:Michele.Edl@idwr.idaho.gov>]

Sent: Thursday, April 13, 2017 6:06 PM

To: Kristin Moore <kristin.rmea@gmail.com>

Subject: FW: Bingham County rental

I did a quick query. It appears that the City of Chubbuck rights 29-14096 and 29-14097 have ground water available for 2017, 20+ acres worth. I haven't tried to model them over to Blackfoot yet but they might work for the one year your client needs them.

From: Edl, Michele

Sent: Thursday, April 13, 2017 5:43 PM

To: 'Kristin Moore' <kristin.rmea@gmail.com>

Subject: Bingham County rental

Kristin Moore,

The water rights that you selected for rental by North Bingham Prk are already fully appropriated this season. Did you have other water rights in mind for them to rent?

Michele Edl

287-4946