

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WATER SUPPLY BANK RENTAL AGREEMENT No. 370

RECEIVED

OCT 07 2019

DEPARTMENT OF
WATER RESOURCES

This is to certify that:

IRENE VANDERVEGT GIBSON
4098 HIDDEN LAKES DR
KIMBERLY, ID 83341

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)
36-16158	1/24/1972	GROUND WATER	0.130	45.20	11.30	0.012	4.00
36-16161	8/9/1975	GROUND WATER	0.080	45.20	11.30	0.007	4.00
Combined Limit Totals			0.200	45.20	11.30	0.018	4.00
36-7515	12/12/1974	GROUND WATER	0.150	32.00	8.00	0.019	4.00
36-16178	11/25/1977	GROUND WATER	0.260	52.00	13.00	0.020	4.00
Combined Rental Totals			0.610	129.20	32.30	0.019	4.00

Term of Rental: This rental agreement shall take effect when all parties have signed it and shall continue in effect until December 31, 2019. Use of rental water shall be authorized as of either the date this rental agreement takes effect or the first day of the rental season of use, in 2019, whichever occurs last.

Annual Rental Fee:

2019: \$2,584.00

The full fee for the rental of the above-described right(s) is \$2,584.00 for 2019. The rental fee includes an administrative fee of \$258.40 for 2019.

Total Water Use Authorized Under Rental Agreement

Beneficial Use	Diversion Rate (CFS)	Diversion Volume (AF)	Acres (AC)	Rate/Acre (CFS/AC)	Volume/Acre (AF/AC)
IRRIGATION	0.150	36.00	9.00	0.017	4.00
Combined Total	0.150	36.00	9.00	0.017	4.00

** The authorized water usage reflects a reduction from the water right elements rented, to account for mitigation water for impacts to the Thousand Springs Reach of the Eastern Snake River Plain Aquifer (ESPA) resulting from the transfer of the water rights associated with this rental agreement.*

Detailed water right conditions are attached.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WATER SUPPLY BANK RENTAL AGREEMENT No. 370

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:

+ Drene VanderVest-Gibson
Signature of Renter

+ 10-4-19
Date

+ Drene VanderVest-Gibson
Printed Name

+ Trustee
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
BRIAN PATTON, Acting Administrator
Idaho Water Resource Board

Date 10/9/2019

Rental approved by IDWR [Signature]

Date 10-9-2019

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WATER SUPPLY BANK RENTAL AGREEMENT No. 370

WATER USE DETAILS

LOCATION OF POINT(S) OF DIVERSION

GROUND WATER	SESE	Sec. 27, Twp 08S, Rge 14E,	GOODING County
GROUND WATER	NESW	Sec. 26, Twp 08S, Rge 14E,	GOODING County
GROUND WATER	SWSE	Sec. 26, Twp 08S, Rge 14E,	GOODING County
GROUND WATER	SWSE	Sec. 26, Twp 08S, Rge 14E,	GOODING County

BENEFICIAL USE

IRRIGATION

DIVERSION RATE

0.15 CFS

VOLUME

36.00 AF

SEASON OF USE

Water Right No.	From	To
36-7515	3/15	11/15
36-16158	3/15	11/15
36-16161	3/15	11/15
36-16178	3/15	11/15

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	
08S	14E	26							2.0				7.0						9.0

Total Acres: 9.0

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 does not constitute a dedication of the water to renter's place of use, and upon expiration of this agreement, the points of diversion and place of use of the water shall revert to those authorized under the water right and/or again be available to rent from the bank.
4. 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.
5. Renter agrees to comply with all applicable state and federal laws while using water under this agreement.
6. 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.
7. 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.
8. Failure of the renter to comply with the conditions of this agreement is cause for the Director to rescind approval of the rental agreement.

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WATER SUPPLY BANK RENTAL AGREEMENT No. 370

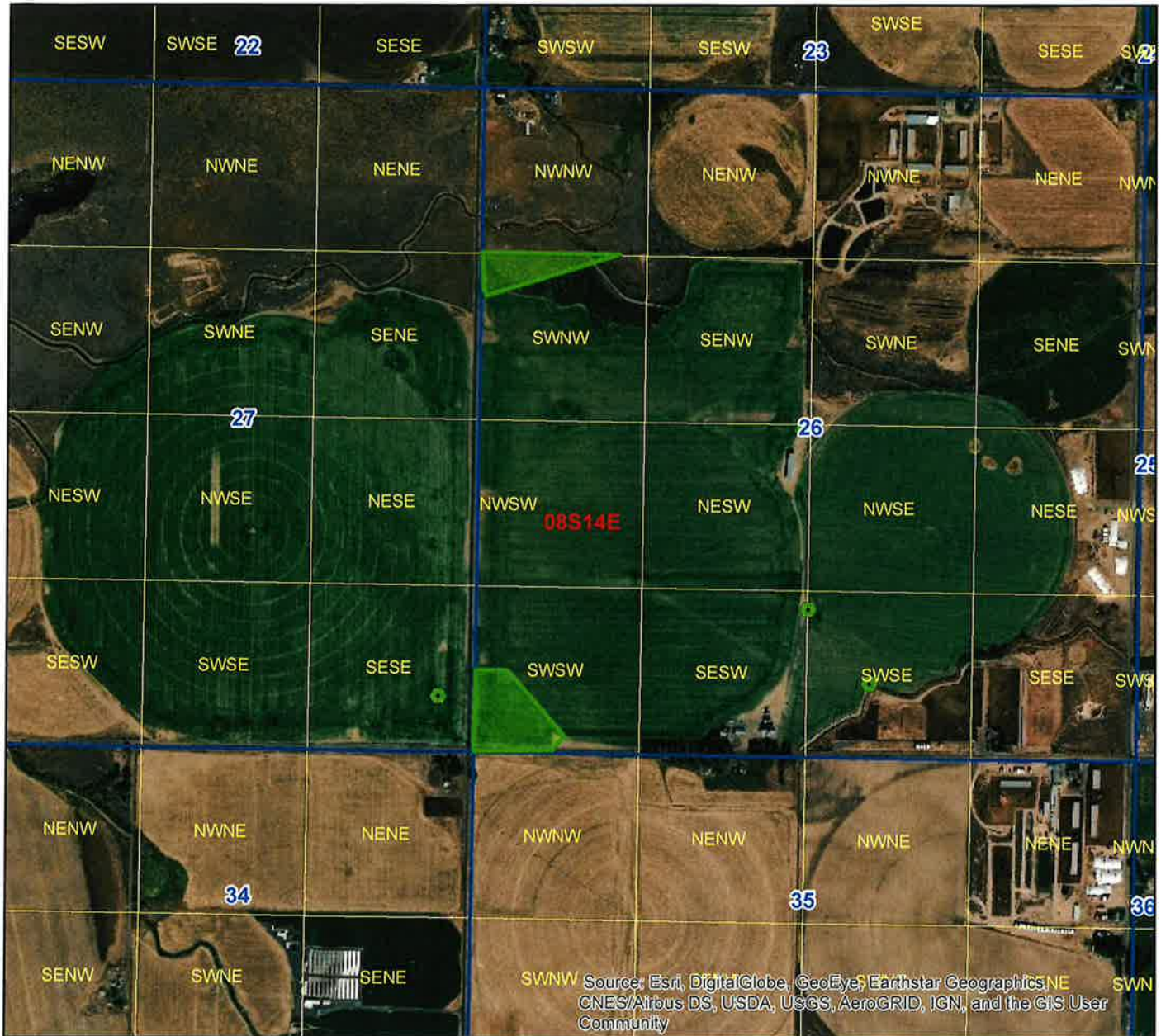
9. The use of water for irrigation under water right 36-7515 may begin as early as March 15 and may continue to as late as November 15, provided other elements of the right are not exceeded. The use of water before April 1 and after November 1 under this remark is subordinate to all water rights having no subordinated early or late irrigation use and a priority date earlier than the date a partial decree is entered for the right.
10. Prior to December 31 of each year, the Board may review this rental agreement to determine whether it is consistent with the management plan that may be approved for the Eastern Snake Plain Aquifer Ground Water Management Area ("ESPA GWMA Plan") pursuant to Idaho Code § 42-233b. The Board may cancel this rental agreement if the Board determines it is not consistent with the ESPA GWMA plan. If this rental agreement is canceled, the cancellation shall not take effect until December 31 of the year in which the rental agreement is canceled.
11. Use of water under these water rights will be regulated by the watermaster of State Water District No. 130.
12. This rental agreement does not authorize the construction of a well.

Idaho Water Resource Board

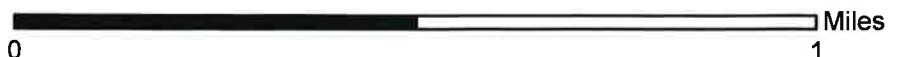
Attachment to Water Supply Bank Rental Agreement No. 370

Effective until December 31, 2019

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
- Township/Range
- Sections
- QQ
- Authorized Rental Place of Use



STATE OF IDAHO
WATER RESOURCE BOARD

RECEIVED

JUN 12 2019

DEPARTMENT OF
WATER RESOURCESAPPLICATION TO RENT WATER
FROM THE BOARD'S WATER SUPPLY BANKApplicant Name: IRENE GIBSON VANDERVEGT

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 *Application to Rent Water from the Board's Water Supply Bank*

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)

36-16458

**STATE OF IDAHO
WATER RESOURCE BOARD**

Application to Rent Water (Continued)

1. CONTACT INFORMATION

A. Applicant IRENE GIBSON VANDERVEGT

Mailing Address 4098 HIDDEN LAKES DR. TWIN FALLS IDAHO 83301
Street City State Zip Code

Email Address _____ Phone Number _____

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 GARY FUNDERBURG Professional Title OWNER/MANAGER

Organization TSKENTERPRISE LLC Relationship to Applicant CLIENT

Mailing Address 255 BLUELAKES BVD NTH, PMB 617, TWIN FALLS, IDAHO 83301

Email Address TSKENTERPRISEH20@GMAIL.COM Phone Number 208 320-0897

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 WATER WILL BE USED FOR IRRIGATE

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	20.00 AF	0.56 CFS	227.9 AF	57.2 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?	
4/1/2019	4/15/2019	☐ 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):

WELL, MOTOR, PUMP PIVOTS

- 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
SESE, SEC. 27 T8S R14E	GROUNDWATER	36-7289, 36-4037, 36-2114, 36-7363B
SENE, SEC. 26 T8S R14E	GROUNDWATER	" "
SWSE, SEC. 26, T8S R14E	GROUNDWATER	SAME
SWSE, SEC. 26 T8S R14E	GROUNDWATER	SAME

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 57.2 (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: 4/1 (mm/dd) to: 10/1 (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:

NOT APPLICABLE

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)
36-16458	IRRIGATION	0.56	227.9	57.2		0.56	227.9	57.2
36-16460	IRRIGATION	0.56	227.9	57.2				
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			
						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**:

THIS WILL ALLOW US TO COMPLY WITH THE OVERAGE OF US OF WATER TO OUR GROUND

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.


Signature of Applicant

IRENE GIBSON VANDERVEGT
Printed Name of Applicant

6-5-19
Date

Signature of Representative

Printed Name of Representative

Date

Mail to:

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

STATE OF IDAHO
WATER RESOURCE BOARD

Water Modeling Requirement Information Sheet

Information on water modeling requirements for rental requests within special administrative areas

Important information on requesting rental water within special administrative areas: Refer to the information below to determine whether the modeling of potential impacts from your rental request is necessary. Use Section 4 of the rental application to identify selected water rights. **If you submit an application to rent water from within a special administrative area and water modeling is required, your rental request will be returned if water modeling is not provided.**

Water modeling may be required when an application to rent water involves one of two scenarios:

Scenario 1: The rental request proposes to divert water from a regulated water source and/or within a special administrative area AND the distance between the rental point(s) of diversion (POD) and the POD(s) for the leased water right(s) is greater than the administratively established, acceptable distance.

Regulated water sources may areas include:

- A. Ground water resources within the modeled area of the Eastern Snake Plain Aquifer (ESPA) and tributary aquifers;
- B. Ground water within Ground Water Management Areas (GWMAs) or Critical Ground Water Areas (CGWAs);
- C. Water resources within other specified administrative areas, as established by the Idaho Water Resource Board (IWRB) or the Idaho Department of Water Resources.

The distance between any rental POD(s) and the POD(s) for a leased water right to be rented is important. On the ESPA, distance is measured in terms of model cells that cover an area of one square mile. Ground water modeling is not required if lease POD(s) and rental POD(s) are located within the same model cell or within adjacent model cells. If the lease and rental PODs are separated by more than one model cell groundwater modeling must be completed using the IDWR ESPA Transfer Tool and modeling results must be submitted with the rental application. ESPA modeling tools can be accessed and freely downloaded from IDWR's website by visiting: www.idwr.idaho.gov/WaterManagement/WaterRights/WaterRightTransfers/resources.htm.

Ground water modeling may be required within GWMAs, CGWAs or other regulated administrative areas. Applicants who desire to rent water within an established GWMA, CGWA or other regulated administrative area should consult IDWR's website before submitting their application to review the current status of administrative orders related to regulated administrative areas. Consult www.idwr.idaho.gov/WaterInformation/GroundWaterManagement/designated_areas.htm for information on GWMAs or CGWAs, visit <https://idwr.maps.arcgis.com/home/> to use mapping tools to find other regulated areas.

Applicants interested in renting water within a GWMA, CGWA or other regulated administrative areas should request water rights that have been leased into the Bank from within the same administrative area. Generally, the Bank will not permit a rental of water within a regulated administrative area if the leased water rights are not located within that same administrative area.

Scenario 2: A rental request proposes to divert water from a different but hydraulically connected water source.

Modeling situations may include:

- A. Rental requests that propose to divert surface water rights via ground water POD(s) (wells); and
- B. Rental requests that propose to divert ground water from one aquifer when the right being rented authorizes the diversion of ground water from a hydraulically connected, tributary aquifer.

Rental requests that propose to divert surface water rights from ground water points of diversion may be considered if ground water modeling establishes that the surface and ground water resources are directly and immediately hydraulically connected. An acceptable hydraulic connection occurs when at least 50 percent of the total depletions from a well are detectable from the original water source within a 24 hour period. The existing (leased) POD and proposed (rental) POD must be proximate such that diversion and use of water from the proposed POD would have substantially the same effect on the hydraulically-connected source as diversion and use of water from the original POD.

Requests to rent ground water across tributary aquifer sources may be considered if ground water modeling is provided to demonstrate that two aquifers are hydraulically connected and the anticipated impacts of diverting ground water from one source through the other is modeled accordingly.

For more information about rental application requirements, contact IDWR at (208) 287-4800.

Mitigation Analysis Period

Trimester 1 2 Trimester)
Annual AFIT:

Total Reach Depletion Impacts

AFIT:	0.0	0.0	0.0	-0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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One-Way Analysis of Independent Transfers

Transfer 1 : 2 years (2019-2020)

WR No	Div. Rate (CFS)	Con. Vol. (AFA)	No. of Irr. Acres	Priority Date	POD Location	Dedicated Vol. AFA/ AFT	Model Node
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Transfer 1: Proposed Steady State Impacts following Transfer

Transfer: Worst Case Transient State Impacts following Transfer

100.0% Pre-SS 228.8 AFA 57.2 Acres
100.0% Post-SS 228.8 AFA 57.2 Acres

Impact by Reach (AF/Trimester)

Ashton to Rexburg	Heise to Shelley	Shelley to Nr Bickft	Nr Bickft To Neeley	Neeley to Minidoka	Dev. Wbl. To Buhl	Buhl to 1000 Spr	1000 Spr to Malad	Malad to Bancroft
2.47	7.25	21.78	69.03	3.71	19.49	22.05	9.79	6.17
2.46	7.25	21.77	69.00	3.71	19.49	22.04	9.79	6.17
2.47	7.26	21.78	69.03	3.71	19.49	22.05	9.79	6.17
2.46	7.25	21.77	69.00	3.71	19.49	22.04	9.79	6.17

Steady State Analysis	Mitigation Check 1 - >10% of Historical:	0%	0%	0%	0%	0.0%	0.0%	0.0%	0.0%	0%	0%
	Mitigation Check 2 - > 2 AF/T:	0.0	-0.01	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
	Mitigation Check 3 - >10% of Total:	1.5%	4.3%	13.0%	41.1%	2.2%	11.6%	13.1%	5.8%	3.7%	3.4%
	Mitigation Required?:	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	Mitigation Vol. Req'd (ac-ft):	0.00	-0.01	-0.01	-0.03	0.00	0.00	0.00	0.00	0.00	0.00

Transient State Analysis	Mitigation Check 1 - >10% of Historical:	-0.2%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Mitigation Check 2 - > 2 AF/T:	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
	Mitigation Required?:	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	Mitigation Vol. Req'd (ac-ft):	0.00	-0.01	-0.01	-0.03	0.00	0.00	0.00	0.00	0.00	0.00

Read Me

Transfer 2 :

WR No	Div. Rate (CFS)	Con. Vol. (AFA)	No. of Irr. Acres	Priority Date	POD Location	Dedicated Vol. AFA/ AFT	Model Node
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Transfer: Proposed Steady State Impacts following Transfer

Transfer 1: Worst Case Transient State Impacts following Transfer

0.0% Pre-SS 0.0 AFA
0.0% Post-SS 0.0 AFA

Impact by Reach (AF/Trimester)

Ashton to Rexburg	Heise to Shelley	Shelley to Nr Bickft	Nr Bickft To Neeley	Neeley to Minidoka	Dev. Wbl. To Buhl	Buhl to 1000 Spr	1000 Spr to Malad	Malad to Bancroft
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Steady State Analysis	Mitigation Check 1 - >10% of Historical:	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Mitigation Check 2 - > 2 AF/T:	0.0	0.00	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00
	Mitigation Check 3 - >10% of Total:	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Mitigation Required?:	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	Mitigation Vol. Req'd (ac-ft):	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Transient State Analysis	Mitigation Check 1 - >10% of Historical:	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Mitigation Check 2 - > 2 AF/T:	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Mitigation Required?:	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	Mitigation Vol. Req'd (ac-ft):	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Transfer 3 :

WR No	Div. Rate (CFS)	Con. Vol. (AFA)	No. of Irr. Acres	Priority Date	POD Location	Dedicated Vol. AFA/ AFT	Model Node
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Transfer: Proposed Steady State Impacts following Transfer

Transfer: Worst Case Transient State Impacts following Transfer

0.0% Pre-SS 0.0 AFA
0.0% Post-SS 0.0 AFA

Impact by Reach (AF/Trimester)

Ashton to Rexburg	Heise to Shelley	Shelley to Nr Bickft	Nr Bickft To Neeley	Neeley to Minidoka	Dev. Wbl. To Buhl	Buhl to Kspr	Kspr to Malad	Malad to Bancroft
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Steady State Analysis	Mitigation Check 1 - >10% of Historical:	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Mitigation Check 2 - > 2 AF/T:	0.0	0.0	0.0	0.0	0.000	0.0	0.0	0.0	0.0	0.0
	Mitigation Check 3 - >10% of Total:	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Mitigation Required?:	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	Mitigation Vol. Req'd (ac-ft):	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Transient State Analysis	Mitigation Check 1 - >10% of Historical:	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Mitigation Check 2 - > 2 AF/T:	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
	Mitigation Required?:	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	Mitigation Vol. Req'd (ac-ft):	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0

Transfer 4 :

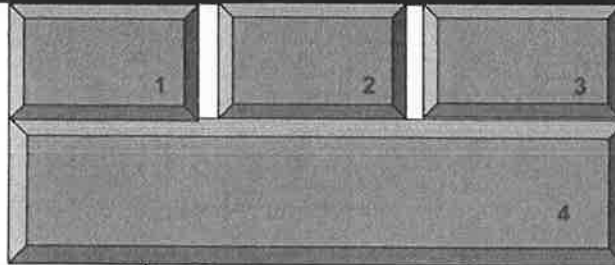
0.0% Pre-SS 0.000 AFA
0.0% Post-SS 0.000 AFA
0.0 Acres Mitigation 0

ENHANCED GROUND-WATER RIGHTS TRANSFER

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPARTMENT OF AGRICULTURE

Cells this color are set up for user entries



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

TRANSFER NO:

YEAR 1950
SEASON SPRING

TRANSFER NAME:

ENTER CELL LOCATIONS:

	TO CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	48	70		
COLUMN	13	55		

57.2

TRIMESTER OF ACTIVITY	TO WELL	FROM1 WELL		FROM2 WELL		FROM3 WELL	
	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
SPR 1950	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1950	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1950	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1952	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1952	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1952	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1953	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1953	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1953	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1954	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1954	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1954	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1958	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1958	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1958	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1959	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1959	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1959	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SPR 1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1965	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1966	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1966	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1966	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1967	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1967	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1967	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1968	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1968	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1968	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1969	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1969	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1969	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1970	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1970	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1970	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1971	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1971	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1971	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1972	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1972	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1972	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1973	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1973	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1973	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1974	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1974	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1974	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1975	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1975	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1975	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1976	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1976	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1976	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1977	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1977	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1977	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1978	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1978	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1978	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1979	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1979	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1979	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1980	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1980	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1980	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1981	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1981	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1981	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1982	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1982	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1982	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1983	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1983	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1983	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1984	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1984	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1984	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1985	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1985	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1985	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1986	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1986	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1986	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1987	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1987	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1987	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1988	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1988	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1988	0.0	171.6	171.6	0.0	0.0	0.0	0.0

SPR 1989	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1989	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1989	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1990	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1990	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1990	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1991	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1991	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1991	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1992	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1992	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1992	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1993	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1993	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1993	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1994	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1994	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1994	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1995	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1995	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1995	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1996	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1996	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1996	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1997	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1997	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1997	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1998	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1998	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1998	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 1999	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 1999	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 1999	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2000	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2000	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2000	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2001	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2001	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2001	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2002	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2002	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2002	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2003	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2003	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2003	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2004	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2004	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2004	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2005	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2005	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2005	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2006	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2006	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2006	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2007	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2007	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2007	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2008	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2008	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2008	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2009	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2009	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2009	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2010	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2010	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2010	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2011	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2011	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2011	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2012	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2012	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2012	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2013	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2013	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2013	0.0	171.6	171.6	0.0	0.0	0.0	0.0

SPR 2014	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2014	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2014	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2015	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2015	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2015	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2016	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2016	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2016	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2017	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2017	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2017	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2018	0.0	0.0	171.6	0.0	0.0	0.0	0.0
SUM 2018	0.0	0.0	171.6	0.0	0.0	0.0	0.0
WIN 2018	0.0	0.0	171.6	0.0	0.0	0.0	0.0
SPR 2019	171.6	0.0	171.6	0.0	0.0	0.0	0.0
SUM 2019	171.6	0.0	171.6	0.0	0.0	0.0	0.0
WIN 2019	171.6	0.0	171.6	0.0	0.0	0.0	0.0
SPR 2020	171.6	0.0	171.6	0.0	0.0	0.0	0.0
SUM 2020	171.6	0.0	171.6	0.0	0.0	0.0	0.0
WIN 2020	171.6	0.0	171.6	0.0	0.0	0.0	0.0
SPR 2021	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2021	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2021	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2022	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2022	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2022	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2023	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2023	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2023	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2024	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2024	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2024	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2025	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2025	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2025	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2026	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2026	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2026	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2027	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2027	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2027	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2028	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2028	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2028	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2029	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2029	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2029	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2030	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2030	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2030	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2031	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2031	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2031	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2032	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2032	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2032	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2033	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2033	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2033	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2034	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2034	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2034	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2035	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2035	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2035	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2036	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2036	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2036	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2037	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2037	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2037	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2038	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2038	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2038	0.0	171.6	171.6	0.0	0.0	0.0	0.0

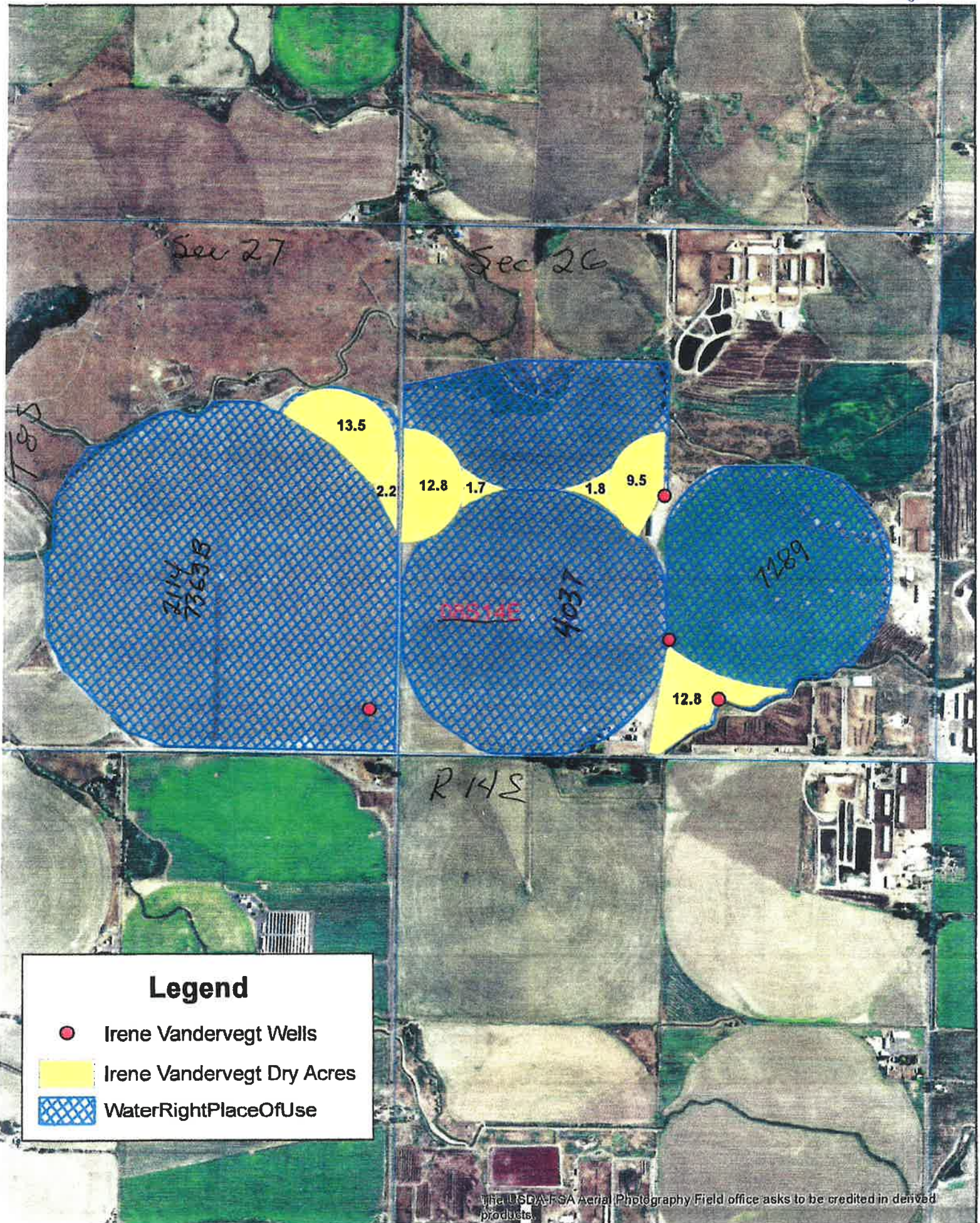
[illegible]

SPR 2064	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2064	0.0	171.6	171.8	0.0	0.0	0.0	0.0
WIN 2064	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2065	0.0	171.6	171.8	0.0	0.0	0.0	0.0
SUM 2065	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2065	0.0	171.6	171.8	0.0	0.0	0.0	0.0
SPR 2066	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2066	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2066	0.0	171.6	171.8	0.0	0.0	0.0	0.0
SPR 2067	0.0	171.6	171.8	0.0	0.0	0.0	0.0
SUM 2067	0.0	171.6	171.8	0.0	0.0	0.0	0.0
WIN 2067	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2068	0.0	171.6	171.8	0.0	0.0	0.0	0.0
SUM 2068	0.0	171.8	171.8	0.0	0.0	0.0	0.0
WIN 2068	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2069	0.0	171.8	171.8	0.0	0.0	0.0	0.0
SUM 2069	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2069	0.0	171.8	171.8	0.0	0.0	0.0	0.0
SPR 2070	0.0	171.6	171.8	0.0	0.0	0.0	0.0
SUM 2070	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2070	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2071	0.0	171.8	171.8	0.0	0.0	0.0	0.0
SUM 2071	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2071	0.0	171.8	171.8	0.0	0.0	0.0	0.0
SPR 2072	0.0	171.8	171.8	0.0	0.0	0.0	0.0
SUM 2072	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2072	0.0	171.6	171.8	0.0	0.0	0.0	0.0
SPR 2073	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2073	0.0	171.8	171.6	0.0	0.0	0.0	0.0
WIN 2073	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2074	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2074	0.0	171.8	171.8	0.0	0.0	0.0	0.0
WIN 2074	0.0	171.8	171.8	0.0	0.0	0.0	0.0
SPR 2075	0.0	171.6	171.8	0.0	0.0	0.0	0.0
SUM 2075	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2075	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2076	0.0	171.8	171.6	0.0	0.0	0.0	0.0
SUM 2076	0.0	171.8	171.8	0.0	0.0	0.0	0.0
WIN 2076	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2077	0.0	171.8	171.8	0.0	0.0	0.0	0.0
SUM 2077	0.0	171.8	171.8	0.0	0.0	0.0	0.0
WIN 2077	0.0	171.6	171.8	0.0	0.0	0.0	0.0
SPR 2078	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2078	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2078	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2079	0.0	171.6	171.8	0.0	0.0	0.0	0.0
SUM 2079	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2079	0.0	171.8	171.8	0.0	0.0	0.0	0.0
SPR 2080	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2080	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2080	0.0	171.8	171.6	0.0	0.0	0.0	0.0
SPR 2081	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2081	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2081	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2082	0.0	171.6	171.8	0.0	0.0	0.0	0.0
SUM 2082	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2082	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2083	0.0	171.6	171.8	0.0	0.0	0.0	0.0
SUM 2083	0.0	171.6	171.8	0.0	0.0	0.0	0.0
WIN 2083	0.0	171.6	171.8	0.0	0.0	0.0	0.0
SPR 2084	0.0	171.6	171.8	0.0	0.0	0.0	0.0
SUM 2084	0.0	171.6	171.8	0.0	0.0	0.0	0.0
WIN 2084	0.0	171.8	171.8	0.0	0.0	0.0	0.0
SPR 2085	0.0	171.6	171.8	0.0	0.0	0.0	0.0
SUM 2085	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2085	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2086	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2086	0.0	171.8	171.6	0.0	0.0	0.0	0.0
WIN 2086	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2087	0.0	171.8	171.8	0.0	0.0	0.0	0.0
SUM 2087	0.0	171.8	171.8	0.0	0.0	0.0	0.0
WIN 2087	0.0	171.6	171.8	0.0	0.0	0.0	0.0
SPR 2088	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2088	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2088	0.0	171.6	171.6	0.0	0.0	0.0	0.0

SPR 2089	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2089	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2089	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2090	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2090	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2090	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2091	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2091	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2091	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2092	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2092	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2092	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2093	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2093	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2093	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2094	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2094	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2094	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2095	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2095	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2095	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2096	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2096	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2096	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2097	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2097	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2097	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2098	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2098	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2098	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SPR 2099	0.0	171.6	171.6	0.0	0.0	0.0	0.0
SUM 2099	0.0	171.6	171.6	0.0	0.0	0.0	0.0
WIN 2099	0.0	171.6	171.6	0.0	0.0	0.0	0.0

Irene Vandervegt Farm (Weedell)

Gary





State of Idaho

DEPARTMENT OF WATER RESOURCES

322 E Front Street, Suite 648 • PO Box 83720 • Boise ID 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700

Website: idwr.idaho.gov • Email: idwrinfo@idwr.idaho.gov

BRAD LITTLE
Governor

GARY SPACKMAN
Director

October 9, 2019

IRENE VANDERVEGT GIBSON
4098 HIDDEN LAKES DR
KIMBERLY ID 83341

**RE: RENTAL OF WATER FROM THE WATER SUPPLY BANK
WATER RIGHT NOS. 36-7515, 36-16158, 36-16161, and 36-16178, AGREEMENT 370**

Dear Renter:

Please find enclosed a receipt in the amount of **\$2,584.00** and a copy of a fully executed Water Supply Bank Rental Agreement in connection with the rental of 129.2 acre-feet of water for irrigation of 9.0 acres during 2019. 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 \$2,325.60 of the rental fee will be paid to the lessor(s) and 10% or \$258.40 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. C107813
Rental Agreement (copy)

c: Sascha Marston – Fiscal
Cory Skinner – IDWR Southern Regional Office
Nathan Erickson – State Water District No. 130
North Snake GWD
Gary Funderberg – TSK Enterprise LLC

RECEIVED

OCT 07 2019

DEPARTMENT OF
WATER RESOURCES



**255 Blue Lakes Blvd N
PMB 617
Twin Falls, ID 83301
Cell: 208-320-0897**

October 5 2019

IDAHO DEPARTMENT OF WATER RES.
322 East Front Street
P.O. Box 83720-0098

Gentlemen:

Please find enclosed the Rental application to rent water and a
check #63267 in the amount of \$2584.00.

Please let us know you have received this application.

If you have any question feel free to contact me at the above phone number or address.

Sincerely,

Gary Funderburg
Tskenterpriseh2o@gmail.com
255 Blue Lakes Blvd N
PMB 617
Twin Falls, ID 83301
Cell: 208-320-0897

On Mon, Sep 9, 2019 at 5:45 PM Gary Funderburg <tskenterpriseh2o@gmail.com> wrote:

Yes, please do. Send the agreement to me so I can meet Irene and her farmer Larry Boss so I may explain the agreement to them in case they have questions. Thank You for your understanding.

Gary Funderburg
TSK Enterprise LLC

On Mon, Sep 9, 2019 at 2:42 PM Buyer, Remington <Remington.Buyer@idwr.idaho.gov> wrote:

Gary,

If you would prefer that we route the agreements to Irene via you, we can do so. Please confirm that we should direct the agreements to you (at 255 Bluelakes BLVD) and not to Irene (at 4098 Hidden Lakes Drive)?

Thanks,

Remington

From: Gary Funderburg [mailto:tskenterpriseh2o@gmail.com]
Sent: Monday, September 9, 2019 2:15 PM
To: Buyer, Remington <Remington.Buyer@idwr.idaho.gov>
Subject: Re: Information Request: Location of Acres to be irrigated during 2019

Will you be sending me the rental agreement?

Gary

On Mon, Sep 9, 2019 at 9:10 AM Buyer, Remington <Remington.Buyer@idwr.idaho.gov> wrote:

Good morning Gary,

The application has been processed; rental agreements should shortly be mailed out, for signature by Irene.

Regards,

Remington

From: Gary Funderburg [mailto:tskenterpriseh2o@gmail.com]
Sent: Monday, September 9, 2019 8:53 AM
To: Buyer, Remington <Remington.Buyer@idwr.idaho.gov>
Subject: Re: Information Request: Location of Acres to be irrigated during 2019

Remington, I haven't heard from you in relation to the application for Irene Vandervegte. Could you let me know where we are at with this?

Gary Funderburg

Buyer, Remington

From: Buyer, Remington
Sent: Friday, September 6, 2019 2:02 PM
To: Erickson, Nathan
Subject: WSB Rental Application 1431
Attachments: Rental Map.pdf; Draft Rental Agreement.docx; DRAFT Rental Review Memo.docx

Nathan,

A late-season WSB rental request in WD 130 for your review. Please advise if you have any questions, comments or concerns.

Thanks,

Remington

MEMORANDUM

To: Water Supply Bank Rental Application 1431
From: Remington Buyer
Date: September 5, 2019
Re: Review & Analysis of Application to Rent Water from the State Water Supply Bank

PURPOSE/NARRATIVE: Application to rent Eastern Snake River Plain Aquifer (ESPA) ground water rights received on June 12, 2019, from Irene Vandervegt, via consultant/representative Gary Funderberg, for a four year period. The rental location is within the North Snake Ground Water District (NSGWD). Originally, it was presented that the primary purpose of the rental would be to offset ground water diversion reduction obligations requested of the applicant by the NSGWD; the applicant desires to adhere to a diversion volume reduction under their ground water rights, per the NSGWD's directive, and they wanted to offset the reduction through a rental of ground water rights from the Water Supply Bank.

The applicant owns 606.0 acres immediately southeast of Box Canyon State Park, on the western edge of the ESPA. The property is authorized to be irrigated under basin 36 ground water rights: 36-2114, 7363B, 4037, 7283 and 7289, which allow for a maximum combined diversion rate 9.510 cfs and an annual combined diversion volume of 2,216.0 af, for the irrigation of 554.0 of the 606.0 acres.

Based on priority dates, NSGWD approved per-acre ground water diversion volumes between 2.2 and 2.4 afa/ac, and a maximum annual diversion volume of 1,281.4 af for the applicant's water rights. The difference between their state-authorized diversion volume limit (2,216.0 af) and the NSGWD-requested limit (1,281.4) is 934.6 af, annually. Per information provided by the applicant, annual diversion volumes at the rental location have exceeded 1,281.4 af in 2016, 2017 and 2018 and the purpose of this rental was in large part to avoid/offset additional overages in 2019.

Review of Sentinel satellite imagery indicates that through April 2019, 554.0 acres were vegetated (and possibly irrigated) in the spring. Following a harvest in April or May, as many as many as 512.0 acres may have been irrigated in May through July. The images below depict the 606.0 acres owned by the applicant (delineated in yellow), as well as the extent of vegetation (irrigation) observed through April (delineated in teal), the extent of vegetation (irrigation) observed in May through July (delineated in green), and the 54.7 acre rental POU (blue polygons) proposed by the applicant:



Image 1. Applicant's 606.0 acre properties



Image 2. Spring 2019, 556.0 acres vegetated



Image 3. Summer 2019, 512.0 acres irrigated

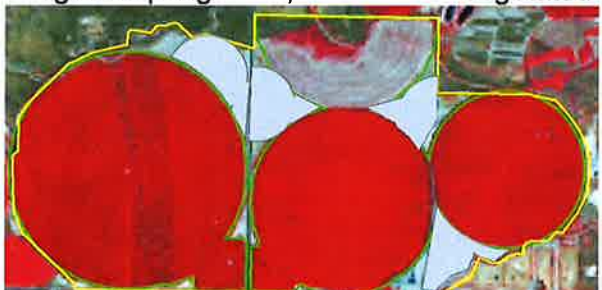
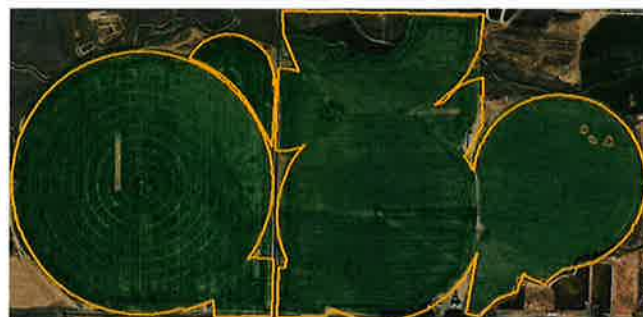


Image 4. Rental POU, 54.7 acres

Incorporating the 54.7 acre rental place of use submitted by the applicant, with the 512.0 acres observed as under active irrigation during 2019, provides for a possible irrigable area of 565.4 acres, the full extent of which is delineated by the boundaries of the orange polygons in the image immediately to the right. However, following the initial harvest during spring 2019, no active irrigation of the 54.7 acre rental place of use was observed for 2019, yet irrigation of up to 11.0 acres of lands not authorized within the places of use for the applicant's water rights were observed as being actively irrigated during 2019 (see the table immediately below).



	T	R	S	NE				NW				SW				SE				Sub Total	Total
				NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE		
Potentially irrigated acres in 2019	08S	14E	26			5.5	1.5	0.2	0.3	32	33	34	33	39	32	22	39	15	6	292.5	512.3
	08S	14E	27			22	9.9				3.9	23			13	36	40	38	34	219.8	
Authorized irrigable acres, per WRs	08S	14E	26			6	2			28	36	38	38	32	32	27	39	25	6	309.0	554.0
	08S	14E	27			23	26				5	23			13	39	40	38	38	245.0	
Irrigation difference b/n authorized & potential	08S	14E	26			0.5	0.5	-0.2	-0.3	-4.0	3.0	4.0	5.0	-7.0	0.0	5.0		10.0		16.5	41.7
	08S	14E	27			1.0	16.1				1.1					3.0		4.0		25.2	
Possible unauthorized irrigation during 2019	08S	14E	26							4.0				7.0						11.0	11.0
	08S	14E	27																		

On August 8th, 2019, the applicant's representative was requested to confirm the exact number and specific location of the acres that were intended to be irrigated on the applicant's property during 2019. Subsequent conversations with the applicant's representative during September resulted in an affirmation by the representative that this rental should address the irrigation of the land not authorized to be irrigated in 2019 under the applicant's water rights.

The ESPA ground water rights available to satisfy this rental request authorize a maximum irrigation of 9.0 acres of the applicant's property. Per a September 4th, 2019 email from the applicant's representative, it was affirmed that IDWR should proceed in drafting a rental agreement for 9.0 acres of the applicant's property during 2019.

AUTHORITY TO FILE: Application to rent is signed by Irene Gibson Vandervegt, and is represented by Gary Funderburg for TSK Enterprise. Rental place of use and wells for rental PODs are also in the Vandervegt name. No concerns with authority to file.

WATER RIGHT VALIDITY: The applicant originally requested to rent water rights 36-16458 and 36-16460, however ESPA ground water modeling did not allow for the easy movement of these water rights to the rental location. After discussions with the applicant's representative, and Greg Sullivan, a consultant from Brockway Engineering, it was determined that the applicant would seek a rental of leased portions of water rights 36-2294, 36-16158, 36-16161 and 36-8418. These water rights are valid and leased to the Bank, however, they are not all primary irrigation ground water rights. Subsequently, primary ESPA ground water irrigation rights 36-7515, 36-16178, 36-16158 and 36-16161 were evaluated for the rental. There are no concerns about the validity of the water rights identified to be rented, nor to the validity of the applicant's water rights that are being offset/supplemented through this rental.

INJURY TO OTHER WATER RIGHTS: The ESPA transfer tool was used to evaluate the movement of water rights 36-7515, 16178, 16158 and 16161 to the rental location. Due to the close proximity of the rental location to the Thousand Springs reach of the Snake River, ESPA modeling indicates that approximately 30% of the rental volume can be diverted at the rental location without requiring mitigation. That is to say, the Transfer Tool indicates a rental of 129.2 af of water under these water rights is sufficient to authorize diversion of 36.0 af at the rental location, without requiring mitigation to the Thousand Springs reach of the Snake River.

ENLARGEMENT OF USE: During 2019, 0.620 cfs and 129.2 af of water rights 36-7515, 36-16178, 36-16158 and 36-16161 can be rented from the Bank to authorize an offset or additional irrigation of 9.0 acres at the applicant's property. Their water rights already authorize irrigation of 554.0 acres with per-acre diversion rates and volumes of 0.017 cfs/ac and 4.0 afa/ac, respectively. If diversion rates and volumes remain at or below the authorized limits during 2019, and do not exceed 0.017 cfs/ac and 4.0 afa/ac, no enlargement in water use is expected to occur under this rental.

LOCAL PUBLIC INTEREST: It is within the local public interest that ESPA ground water districts succeed in their diversion volume reduction efforts. This rental thus appears to be consistent with the local public interest.

BENEFICIAL USE/CONSERVATION OF WATER RESOURCES: The primary purpose of this rental is for irrigation, a recognized beneficial use of water. Additionally, this rental may help offset ground water diversion reductions that are a requirement per water user membership in local ground water districts. Ground water reductions will help stop the drop of the ESPA, thus helping conserve water resources in Idaho.

DEPARTMENT STAFF OR WATERMASTER COMMENTS: The rental location is subject to Water District 130 administration and oversight by IDWR's Southern Regional Office. Comments were requested on September 6th, 2019.

On Wed, Sep 4, 2019 at 3:05 PM Gary Funderburg <tskenterpriseh2o@gmail.com> wrote:

Remington, I feel the correct ground you have identified is the appropriate areas for the 9 acres are correct. I have called the farm manager and he has agreed with the 7 acres in SWSW and 2 acres in the SWNE. That is correct on 41.7 reduction. From what I can tell you the farmer running the farm for Irene Vandervegt is not up to reading maps. So I have tried to explain your scenario of the lands you have identified. The owner and the farmer has agreed.

Gary

On Tue, Sep 3, 2019 at 4:13 PM Buyer, Remington <Remington.Buyer@idwr.idaho.gov> wrote:

Gary,

In my August 8th email to you, I asked I asked for confirmation of the sum total of acres (specific to government lots and quarter-quarters) that would be irrigated at the Vandervegt property during 2019.

Today I received printed copies of my August 8th email, on which areas of the maps that I provided to you were highlighted in blue, however my question about the specific number and location of acres to be irrigated was not answered. It is unclear to me what the blue highlighted areas signify. Can you clarify what the blue highlighted areas signify?

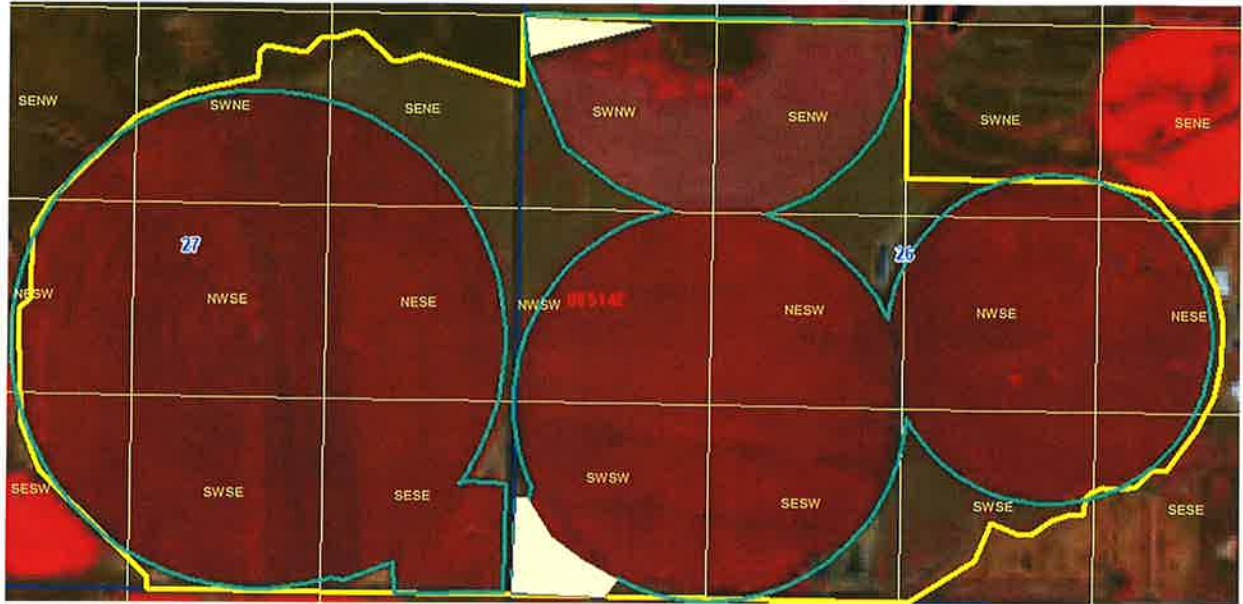
Based on July 2019 satellite imagery, it appears to me that 512.3 acres of the Vandervegt property is under active irrigation in 2019, of which 11.0 acres are not authorized to be irrigated with the Vandervegt's water right portfolio, and thus require a Water Supply Bank rental. The following summarizes my findings:

	T	R	S	NE				NW				SW				SE				Sub Total	Total
				NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE		
Potentially irrigated acres in 2019	08S	14E	26			5.5	1.5	0.2	0.3	32	33	34	33	39	32	22	39	15	6	292.5	512.3
	08S	14E	27			22	9.9				3.9	23			13	36	40	38	34	219.8	
Authorized irrigable acres, per WRs	08S	14E	26			6	2			28	36	38	38	32	32	27	39	25	6	309.0	554.0
	08S	14E	27			23	26				5	23			13	39	40	38	38	245.0	
Irrigation difference b/n authorized & potential	08S	14E	26			0.5	0.5	-0.2	-0.3	-4.0	3.0	4.0	5.0	-7.0	0.0	5.0		10.0		16.5	41.7
	08S	14E	27			1.0	16.1				1.1					3.0			4.0	25.2	
Possible unauthorized irrigation during 2019	08S	14E	26							4.0				7.0						11.0	11.0
	08S	14E	27																		

Based on the above, it appears that a 41.7 acre reduction in irrigated acres (equal to 554.0 authorized acres minus 512.3 irrigated acres) is occurring at the Vandervegt property during 2019. Please confirm this is correct?

As I mentioned in my last email, I can approve a 9.0 acre rental (at 4.0 afa/ac) for the Vandervegt property, using water rights 36-7515, 36-16158, 36-16161 and 36-16178; this will require a rental of a rental of 129.2 af (and 32.3 acres) from the water rights, to avoid requiring mitigation to the Thousands Springs reach of the Snake River. The fee for this rental would be \$2,584.00. To finalize a rental of these water rights for nine acres during 2019, please confirm which 9.0 acres in the SWNW and/or SWSW quarter-quarters of Section 26, T08S, R14E should be covered by the rental?

For your consideration, it appears that approximately 7.0 acres in the SWSW QQ and 2.0 acres in the SWNW QQ would correspond to the yellow polygons in the image below:



Please advise if you would like me to use the 9.0 acres identified in the image above to secure this rental for the Vandervegt property during 2019?

Kindly respond to the above questions prior to close of business on Friday, September 9th, so that we may finalize this rental request in a timely manner.

Thank you,

Remington

(208) 287-4918



RECEIVED
SEP 03 2019
DEPARTMENT OF
WATER RESOURCES

**255 Blue Lakes Blvd N
PMB 617
Twin Falls, ID 83301
Cell: 208-320-0897**

Aug. 28, 2019

Idaho Dept. of Water Res.
322 East Front Street
P.O. bx 83720-00978
Boise, Idaho 83720-00978

Attention:

Remington, Bruyer

Remington,

Please find enclosed the map you requested from my client identifying the ground irr.
Let me know if there are any more data I can retrieve for you.

If you have any question feel free to contact me at the above phone number or address.

Sincerely,

Gary Funderburg
TSKEnterprise@cableone.net
255 Blue Lakes Blvd N
PMB 617
Twin Falls, ID 83301
Cell: 208-320-0897



Gary Funderburg <tskenterpriseh2o@gmail.com>

Information Request: Location of Acres to be irrigated during 2019

1 message

Buyer, Remington <Remington.Buyer@idwr.idaho.gov>
To: Gary Funderburg <tskenterpriseh2o@gmail.com>

Thu, Aug 8, 2019 at 12:54 PM

Gary,

I've completed a review of rental application 1431 for Irene Gibson Vandervegt and I need clarification on the exact number and location of the acres that will be irrigated at the Vandervegt property during 2019. **Please confirm for me the exact number and location of the acres to be irrigated at the Vandervegt property during 2019.** The following summarizes how this information is necessary for further consideration of application 1431.

The Vandervegt property covers approximately 606.0 acres, located within the boundaries of the yellow polygon in the following image:

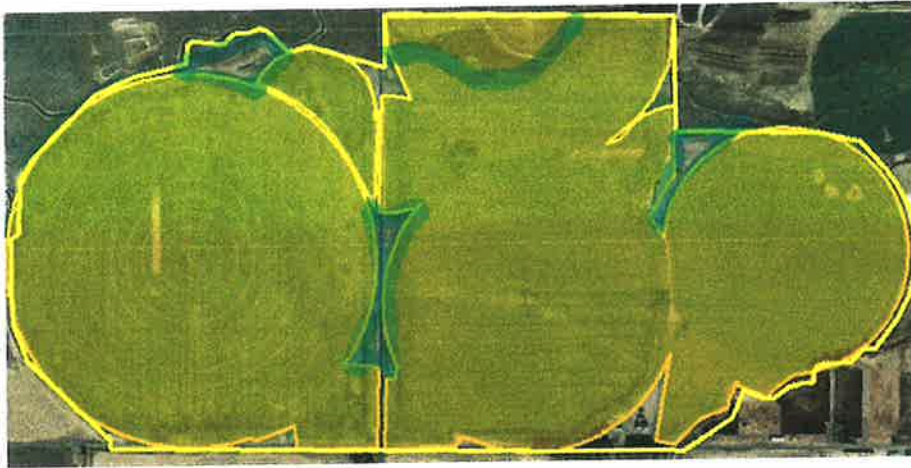


Within the 606.0 acres above, 554.0 acres are authorized to be irrigated with ESPA ground water under basin 36 water rights 36-2114, 7363B, 4037, 7283 and 7289, as follows:

T	R	S	NE				NW				SW				SE				Sub Total	Total
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE		
Authorized irrigable acres, per WRs	08S	14E	26		6	2			28	36	38	38	32	32	27	39	25	6	309.0	554.0
	08S	14E	27		23	26			5	23				13	39	40	38	38	245.0	

Rental application 1431 requested an authorization to irrigate 57.2 acres, and a map provided with the application identified 54.7 acres that were proposed to be the irrigation location. The 54.7 acres of to be irrigated correspond to the areas under the purple polygons in the image below:

Highlighted
in Blue



Based on the projected 2019 irrigable area outlined in orange above, it appears that water rights sufficient to irrigate 26.0 acres might need to be rented from the Water Supply Bank during 2019. Specifically, the tables below summarize the location of the 554.0 acres authorized to be irrigated on the 606.0 acres of Vandervegt properties (in blue), as well as the difference between the 554.0 authorized acres, and the location of the 565.4 acres that might possibly be irrigated on the Vandervegt properties in 2019:

	T	R	S	NE				NW				SW				SE				Sub Total	Total
				NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE		
Potentially irrigated acres in 2019	08S	14E	26		5.5	1.5		0.2	0.3	39	38	39	39	39	35	22	39	26	6	329.5	565.4
	08S	14E	27		22	25					3.9	23			13	37	40	38	34	235.9	
Authorized irrigable acres, per GW rights	08S	14E	26		6	2				28	36	38	38	32	32	27	39	25	6	309.0	554.0
	08S	14E	27		23	26					5	23			13	39	40	38	38	245.0	
Irrigation difference b/n authorized & potential	08S	14E	26		0.5	0.5	-0.2	-0.3	-11.0	-2.0	-1.0	-1.0	-7.0	-3.0	5.0		-1.0			-20.5	-11.4
	08S	14E	27		1.0	1.0					1.1				2.0			4.0	9.1		
Possible unauthorized irrigation during 2019	08S	14E	26							11.0	2.0	1.0	1.0	7.0	3.0			1.0		26.0	26.0
	08S	14E	27																		

In order to continue processing rental application 1431, it is necessary for IDWR to know the location of the specific acres that will be irrigated within the 606.0 Vandervegt properties during 2019. With that information, our office can identify which acres, if any, need to be authorized for irrigation under a rental. Please inquire with the individual who is irrigating the Vandervegt properties, to have them identify which acres (specific to government lots and quarter-quarters) are intended to be irrigated during 2019.

Also, please know, I've looked at all basin 36 ground water rights leased into the Bank during 2019 and it appears that we can authorize 9.0 acres of additional irrigation at the Vandervegt property during 2019. Specific to the Vandervegt property, a rental of 129.2 af (and 32.3 acres) from water rights 36-7515, 36-16158, 36-16161 and 36-16178 can allow for the diversion of 36.0 af, for the irrigation of 9.0 acres (at 4.0 afa/ac), without requiring any mitigation to the Thousands Springs reach of the Snake River. If the Vandervegt property were to be irrigated at less than 4.0 afa/ac, it is possible to irrigate more than 9.0 acres under a rental, provided that no enlargement in any other water rights occur.

In addition to water rights 36-7515, 36-16158, 36-16161 and 36-16178, I also considered a rental of portions of water rights 36-2297, 36-8418 and 36-8662. However, these water rights are either supplemental to surface water irrigation from the North Side Canal Company (36-2297), or they are specific to commercial and stock watering purposes (8418 and 8662). Renting either of these three water rights at the Vandervegt property would require that the Vandervegt property first use all available surface water from the North Side Canal Company prior to diverting any ground water under 36-2297, or, it would be necessary to know the

From: Gary Funderburg [mailto:tskenterprise2o@gmail.com]
Sent: Wednesday, August 28, 2019 6:56 PM
To: Buyer, Remington <Remington.Buyer@idwr.idaho.gov>
Subject: Re: Information Request: Location of Acres to be irrigated during 2019

I'm sending to you through the mail a copy of the map with the area Irrigation as you requested from the applicant. Please confirm you received the papers and this email.

Gary Funderburg

TSK Enterprise LLC

208-320-0897

On Thu, Aug 8, 2019 at 2:44 PM Gary Funderburg <tskenterprise2o@gmail.com> wrote:

Remington you have done a lot of work putting this data together, I will get in touch with renter and go thru this data with him and get back to you. There is no canal water near this location. I just hope I can explain it clearly for him.

GARY

On Thu, Aug 8, 2019 at 12:54 PM Buyer, Remington <Remington.Buyer@idwr.idaho.gov> wrote:

Gary,

I've completed a review of rental application 1431 for Irene Gibson Vandervegt and I need clarification on the exact number and location of the acres that will be irrigated at the Vandervegt property during 2019. **Please confirm for me the exact number and location of the acres to be irrigated at the Vandervegt property during 2019.** The following summarizes how this information is necessary for further consideration of application 1431.

The Vandervegt property covers approximately 606.0 acres, located within the boundaries of the yellow polygon in the following image:



Within the 606.0 acres above, 554.0 acres are authorized to be irrigated with ESPA ground water under basin 36 water rights 36-2114, 7363B, 4037, 7283 and 7289, as follows:

	T	R	S	NE				NW				SW				SE				Sub Total	Total
				NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE		
Authorized irrigable	08S	14E	26			6	2			28	36	38	38	32	32	27	39	25	6	309	554
acres, per WRs	08S	14E	27			23	26			5	23			13	39	40	38	38		245	

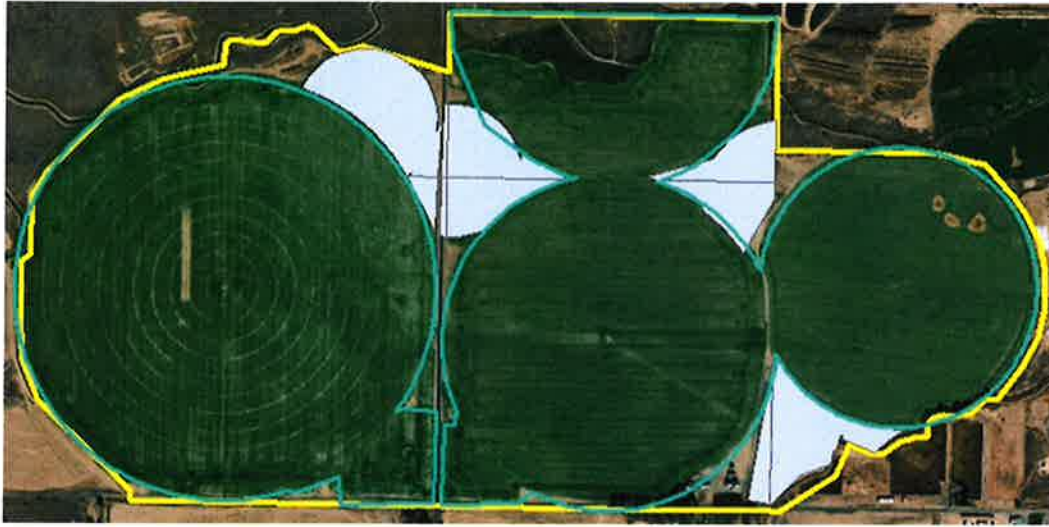
Rental application 1431 requested an authorization to irrigate 57.2 acres, and a map provided with the application identified 54.7 acres that were proposed to be the irrigation location. The 54.7 acres of to be irrigated correspond to the areas under the purple polygons in the image below:



It is unclear where the remaining 2.5 acres requested are to be located. Based on 2019 Sentinel satellite imagery, it appears approximately 511.3 acres were irrigated during May through July 2019, within the boundaries of the teal polygons in the image below:



Incorporating the 54.7 acres proposed to be irrigated via rental application 1431 with the 511.3 acres, provides for a possible irrigable area of 565.4 acres, as follows:



Or, alternatively:



Based on the projected 2019 irrigable area outlined in orange above, it appears that water rights sufficient to irrigate 26.0 acres might need to be rented from the Water Supply Bank during 2019. Specifically, the tables below summarize the location of the 554.0 acres authorized to be irrigated on the 606.0 acres of Vandervegt properties (in blue), as well as the difference between the 554.0 authorized acres, and the location of the 565.4 acres that might possibly be irrigated on the Vandervegt properties in 2019:

[illegible]

In order to continue processing rental application 1431, it is necessary for IDWR to know the location of the specific acres that will be irrigated within the 606.0 Vandervegt properties during 2019. With that information, our office can identify which acres, if any, need to be authorized for irrigation under a rental. Please inquire with the individual who is irrigating the Vandervegt properties, to have them identify which acres (specific to government lots and quarter-quarters) are intended to be irrigated during 2019.

Also, please know, I've looked at all basin 36 ground water rights leased into the Bank during 2019 and it appears that we can authorize 9.0 acres of additional irrigation at the Vandervegt property during 2019. Specific to the Vandervegt property, a rental of 129.2 af (and 32.3 acres) from water rights 36-7515, 36-16158, 36-16161 and 36-16178 can allow for the diversion of 36.0 af, for the irrigation of 9.0 acres (at 4.0 afa/ac), without requiring any mitigation to the Thousands Springs reach of the Snake River. If the Vandervegt property were to be irrigated at less than 4.0 afa/ac, it is possible to irrigate more than 9.0 acres under a rental, provided that no enlargement in any other water rights occur.

In addition to water rights 36-7515, 36-16158, 36-16161 and 36-16178, I also considered a rental of portions of water rights 36-2297, 36-8418 and 36-8662. However, these water rights are either supplemental to surface water irrigation from the North Side Canal Company (36-2297), or they are specific to commercial and stock watering purposes (8418 and 8662). Renting either of these three water rights at the Vandervegt property would require that the Vandervegt property first use all available surface water from the North Side Canal Company prior to diverting any ground water under 36-2297, or, it would be necessary to know the consumptive use extent of these three water rights, to evaluate an authorized change in nature of use of them for irrigation purposes at the Vandervegt property. In light of the above constraints, I limited my evaluation of the transfer through the ESPA of water rights 36-7515, 36-16158, 36-16161 and 36-16178.

Please feel free to follow up with me if you have any questions about the above. I will hold on further processing of rental application 1431 until the location of the acres to be irrigated in 2019 is clarified. Please provide us with the necessary information within the next 30 days. If we don't hear from you prior to Friday, September 6th, we may return to you application 1431.

Regards,

Remington
(208) 287-4918

From: Buyer, Remington
Sent: Wednesday, July 17, 2019 3:46 PM
To: greg.sullivan@brockwayeng.com; 'Gary Funderburg' <tskenterprish2o@gmail.com>
Subject: RE: Irene Vandervegte application

Greg,

Thanks for confirming the water rights and amounts proposed for rental application 1431. We'll continue processing it and reach out to you if we need further information.

Regards,

Remington

From: Greg Sullivan [greg.sullivan@brockwayeng.com]
Sent: Wednesday, July 17, 2019 2:53 PM
To: Buyer, Remington <Remington.Buyer@idwr.idaho.gov>; 'Gary Funderburg' <tskenterprish2o@gmail.com>
Subject: RE: Irene Vandervegte application

Remington,

I recognize that we cannot rent water for mitigation by non-use if it outside of the NSGWD. I should have been more clear in this morning's email.

The ESPA model analysis that I provided to you this morning proposed to rent 364 AF from 36-2297 (Contract 98), 45.2 AF from 36-16158/61 (Contract 266) and 69.9 AF from 36-8418 (Contract 794). All three of these groups of water rights are located inside the NSGWD and on the list that you provided. Contract 98 expires at the end of 2019 and therefore the rental can only be secured for the 2019 irrigation season.

Please processed with processing the rental application 1431 with the above mentioned water rights with the beneficial use of mitigation by non-use for the 2019 irrigation season.

Greg Sullivan
Brockway Engineering
2016 North Washington Street, Suite 4
Twin Falls, Idaho 83301
208-736-8543

From: Buyer, Remington [<mailto:Remington.Buyer@idwr.idaho.gov>]
Sent: Wednesday, July 17, 2019 2:25 PM
To: Greg Sullivan <greg.sullivan@brockwayeng.com>; 'Gary Funderburg' <tskenterprish2o@gmail.com>
Subject: RE: Irene Vandervegte application

Greg, Gary,

From our recent correspondence, it is clear that the beneficial use of water proposed under rental application 1431 should either be considered as *irrigation* or *mitigation by non-use*.

IDWR recognizes that Ms. Vandervegt has an ESPA ground water reduction obligation, as a member of the North Snake Ground Water District (NSGWD). Insofar as Ms. Vandervegt will reduce diversions of ESPA ground water under her own water rights (in conformity with her ground water district obligations), IDWR can approve an irrigation rental for Ms. Vandervegt once we receive ESPA ground water modeling that doesn't require mitigation, which would allow ground water rights to be relocated to the Vandervegt rental location, for diversion and irrigation use.

Alternatively, it is not clear how IDWR can approve a rental for mitigation by non-use, through a rental of the proposed water rights (36-16458 and 36-16460).

IDWR recognizes that the NSGWD, through its members, may commit itself to accomplishing district-wide reductions in diversions and consumptive uses of water. IDWR also recognizes that, as a member of the NSGWD, Ms. Vandervegt might seek to rent water rights from the Bank for mitigation by non-use, to help meet her reduction obligations on behalf of the district.

Water rights 36-16458 and 36-16460 authorize diversions of ESPA ground water from within the boundaries of the Magic Valley Ground Water District (MVGWD) and IDWR might recognize as a beneficial use the rental of these water rights for mitigation by non-use by entities located within the boundaries of the MVGWD. However, a rental of these water rights by Ms. Vandervegt would not necessarily result in a real reduction in ESPA ground water diversions under water rights located within the boundaries of the NSGWD. As such, it does not appear that a beneficial use will occur if Ms. Vandervegt moved to rent ground water rights 36-16458 and 36-16460 for the purposes of mitigation by non-use at her location and/or under her water rights within the boundaries of the NSGWD.

If Ms. Vandervegt truly desires to rent water rights from the Bank for mitigation by non-use, I would recommend renting water rights located within the boundaries of the NSGWD, since the non-diversion of such water rights would contribute to meeting the ESPA ground water diversion reduction obligations of the NSGWD and its members.

I hope the above is of assistance to you. Again, I would draw your attention to the list of water rights I provided you via email on July 10th, as many of those water rights are located within the boundaries of the NSGWD and/or they can more easily be temporarily relocated to the Vandervegt location via a rental.

Please let me know how you would like to proceed with respect to rental application 1431 by the end of the day, tomorrow, July 18, 2019.

Thank you,

Remington

From: Greg Sullivan [<mailto:greg.sullivan@brockwayeng.com>]
Sent: Wednesday, July 17, 2019 10:52 AM
To: Buyer, Remington <Remington.Buyer@idwr.idaho.gov>; 'Gary Funderburg' <tskenterprise2o@gmail.com>
Cc: Condon, Mary <Mary.Condon@idwr.idaho.gov>
Subject: RE: Irene Vandervegte application

Remington,

I realized something about this rental that makes it unique from other water bank rentals. This rental is not intended to satisfy any IDWR rules and is not in response to an NOV. This rental is only intended to help satisfy North Snake Ground Water District volume requirements. The rental will not increase the diversion rate at the proposed rental POD. The rental will not allow additional volume to be pumped from the proposed rental POD. The rental will not allow additional acres to be irrigated at the proposed POU. It is recommended that the conditions on this rental state that diversion rate will be 0.0 cfs, the allowed volume to be pumped will be 0.0 AF and the acres to be irrigated will be 0.0 acres.

This rental will allow the renter to reduce the volume amount of water pumped from the aquifer inside the North Snake Ground Water District. Any water right leased into the Idaho Water Supply Bank inside the North Snake Ground Water District, with an appropriate lease period, can be used to satisfy this rental.

The North Snake Ground Water District accounts for all of the water right controlled by an individual inside the district. Which means an individual could rent a farm or a water right located anywhere inside the District and that associated water will be included by the District in that individuals annual volume summary. This rental and the associated volume set aside by the water right lease will be accounted for by the North Snake Ground Water District as being controlled by the renter.

Because of this, the "TO CELL" volume for the ESPA Model during the 2019 irrigation season has been set to 0.0 AF/Trimester. The proposed POU and POD will be identified on the renters property. The renter will pay the rental payment based on the full amount of water to be rented, 478.8 acre feet. The renter will not pump any of that water for the duration of the rental period.

See the attached ESPA Model analysis and the 2018 North Snake Ground Water District annual volume summary.

The rental will have to be reduced to only the 2019 irrigation season because one of the water rights identified to be rented is only leased through 2019.

Greg Sullivan
Brockway Engineering
2016 North Washington Street, Suite 4
Twin Falls, Idaho 83301
208-736-8543

From: Buyer, Remington [<mailto:Remington.Buyer@idwr.idaho.gov>]
Sent: Friday, July 12, 2019 1:49 PM
To: Greg Sullivan <greg.sullivan@brockwayeng.com>; 'Gary Funderburg' <tskenterpriseh2o@gmail.com>
Cc: Condon, Mary <Mary.Condon@idwr.idaho.gov>
Subject: RE: Irene Vandervegte application

Greg,

In light of your last email, I today reviewed how the transfer tool calculates information in the calculated effects worksheet. It appears that starting the match array for field G462 at A7 is correct, and that starting the match array for field G462 at A1 provides incorrect values.

If the match array for G462 begins at A1, and no further changes are made to the worksheet, the results you previously obtained and submitted to IDWR will be calculated. However, if you consider the formula for the "Preexisting Effects @ Transient State (Max Value Timestep)" and "Transient State - Max. Value of Dep. After Transfer" fields (cells G468:Q469), you'll see that they incorporate a +6 value into their respective formula. As such, adjusting the match array for field G462 from A7 to A1, without also updating the "Preexisting" and "Transient State" formulas will provide incorrect values.

For example, if you set the match array field G462 from A7 to A1, the "Transient State" value for the Buhl to Thousand Springs Reach will be calculated as 7.40. This is because the formula in the field M469 (`"=MAX(INDIRECT("h"&$G$462+6):INDIRECT("h"&$J$462))"`) will direct the worksheet to find the max of field H220 (214+6) through H462, when in fact, it should find the max beginning in field H214. As you can see in the image below, there is a large difference in the Transient State values between field H214 (corresponding the Spring 2019) and H220 (which is Spring 2021):

	A	B	C	D	E	F	G	H
203	SUM 2015	0.7	2.3	7.1	22.5	1.2	6.5	7.3
204	WIN 2015	0.7	2.3	7.1	22.5	1.2	6.5	7.3
205	SPR 2016	0.7	2.3	7.1	22.5	1.2	6.5	7.3
206	SUM 2016	0.8	2.3	7.1	22.5	1.2	6.5	7.3
207	WIN 2016	0.8	2.3	7.1	22.5	1.2	6.5	7.3
208	SPR 2017	0.8	2.3	7.1	22.5	1.2	6.5	7.3
209	SUM 2017	0.8	2.3	7.1	22.5	1.2	6.5	7.3
210	WIN 2017	0.8	2.3	7.1	22.5	1.2	6.5	7.3
211	SPR 2018	0.8	2.3	7.0	22.1	1.2	6.3	7.1
212	SUM 2018	0.8	2.3	6.8	21.3	1.2	6.0	6.6
213	WIN 2018	0.8	2.3	6.5	20.3	1.2	5.6	6.1
214	SPR 2019	0.8	2.2	6.2	19.2	1.2	7.9	46.3
215	SUM 2019	0.8	2.2	5.9	18.2	1.1	8.1	47.0
216	WIN 2019	0.8	2.1	5.6	17.2	1.1	7.9	46.9
217	SPR 2020	0.8	2.1	5.3	16.2	1.1	7.7	46.7
218	SUM 2020	0.8	2.0	5.0	15.3	1.0	7.5	46.4
219	WIN 2020	0.7	1.9	4.8	14.5	1.0	7.3	46.2
220	SPR 2021	0.7	1.9	4.6	14.2	1.0	4.5	5.5
221	SUM 2021	0.7	1.8	4.6	14.2	0.9	4.1	4.7

That said, if you adjust the match field G462 from A7 to A1 **and** you adjust the Preexisting and Transient State fields to not add +6 value hard coded into the formulas, you will end up with the same results calculated by our office, and it will be as if the match field for G462 were never adjusted from A7 to A1.

In light of the above, the mitigation amounts calculated by our office remain accurate and need to be addressed for WSB Application 1431. Please provide our office with the requested updated modeling by close of business, next Thursday, July 18th.

Thank you,

Remington

From: Greg Sullivan [<mailto:greg.sullivan@brockwayeng.com>]
Sent: Wednesday, July 10, 2019 2:44 PM
To: Buyer, Remington <Remington.Buyer@idwr.idaho.gov>; 'Gary Funderburg' <tskenterpriseh2o@gmail.com>
Cc: Condon, Mary <Mary.Condon@idwr.idaho.gov>
Subject: RE: Irene Vandervegte application

Remington,

I found the issue why our ESPA Models analysis are not calculating the same effects. I will attach two screen shots of your model analysis and my model analysis to explain the situation. Further clarification by IDWR will be required to resolve the issue.

On the CalculatedEffects tab there is a Match Array cell on row 462. This Match Array cell does not require input. In fact there is a comment attached to this Match Array cell that states, "mweaver: This cell does not require input, it reports the row number of the first time step of the proposed transfer and is used for the mitigation evaluation below. Match array starts at A7."

Below is a screen shot of your ESPA Model analysis. The Match Array cell on row 462 identifies row 208. However, if you look below on the left at row 208. Row 208 is associated with SPR 2017 instead of SPR 2019. SPR 2019 is the first step of the proposed transfer (rental) and is located on row 214.

Remington ESPA Model.xlsm - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW

Clipboard Font Alignment Number

AB462

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
201	WIN 2014	0.7	2.3	7.1	22.5	1.2	6.5	7.3	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0
202	SPR 2015	0.7	2.3	7.1	22.5	1.2	6.5	7.3	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0
203	SUM 2015	0.7	2.3	7.1	22.5	1.2	6.5	7.3	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0
204	WIN 2015	0.7	2.3	7.1	22.5	1.2	6.5	7.3	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0
205	SPR 2016	0.7	2.3	7.1	22.5	1.2	6.5	7.3	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0
206	SUM 2016	0.8	2.3	7.1	22.5	1.2	6.5	7.3	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0
207	WIN 2016	0.8	2.3	7.1	22.5	1.2	6.5	7.3	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0
208	SPR 2017	0.8	2.3	7.1	22.5	1.2	6.5	7.3	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0
209	SUM 2017	0.8	2.3	7.1	22.5	1.2	6.5	7.3	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0
210	WIN 2017	0.8	2.3	7.1	22.5	1.2	6.5	7.3	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0
211	SPR 2018	0.8	2.3	7.0	22.1	1.2	6.3	7.1	3.2	2.0	1.8	0.1	0.0	0.0	0.0	0.0
212	SUM 2018	0.8	2.3	6.8	21.3	1.2	6.0	6.6	3.0	1.9	1.8	0.1	0.0	0.0	0.0	0.0
213	WIN 2018	0.8	2.3	6.5	20.3	1.2	5.6	6.1	2.8	1.8	1.6	0.1	0.0	0.0	0.0	0.0
214	SPR 2019	0.8	2.2	6.2	19.2	1.2	7.9	46.3	6.1	2.7	2.3	0.1	0.0	0.0	0.0	0.0
215	SUM 2019	0.8	2.2	5.9	18.2	1.1	8.1	47.0	6.4	3.0	2.5	0.2	0.0	0.0	0.0	0.0
216	WIN 2019	0.8	2.1	5.6	17.2	1.1	7.9	46.9	6.4	3.0	2.6	0.2	0.0	0.0	0.0	0.0
217	SPR 2020	0.8	2.1	5.3	16.2	1.1	7.7	46.7	6.4	3.0	2.6	0.2	0.0	0.0	0.0	0.1
218	SUM 2020	0.8	2.0	5.0	15.3	1.0	7.5	46.4	6.3	2.9	2.5	0.2	0.0	0.0	0.0	0.1
451	SPR 2098	0.8	2.4	7.2	22.9	1.2	6.6	7.4	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0
452	SUM 2098	0.8	2.4	7.2	22.9	1.2	6.6	7.4	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0
453	WIN 2098	0.8	2.4	7.2	22.9	1.2	6.6	7.4	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0
454	SPR 2099	0.8	2.4	7.2	22.9	1.2	6.6	7.4	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0
455	SUM 2099	0.8	2.4	7.2	22.9	1.2	6.6	7.4	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0
456	WIN 2099	0.8	2.4	7.2	22.9	1.2	6.6	7.4	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0

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460 Enter First Time Step of Transfer: SPR 2019

461 Match: 208

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465 Preexisting Effects @ SS (Last Time Step) 0.82

466 Steady State - Value of Dep @ Last Time Step 0.82

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468 Preexisting Effects @ Transient State (Max Value Time Step) 0.82

469 Transient State - Max. Value of Dep. After Transfer 0.82

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472 Steady State Change 0.00

473 Transient State Change 0.00

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Funderberg Rental 2019.xlsm - Excel

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
201 WIN 2014	0.7	2.3	7.1	22.4	1.2	6.5	7.3	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
202 SPR 2015	0.7	2.3	7.1	22.4	1.2	6.5	7.3	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
203 SUM 2015	0.7	2.3	7.1	22.4	1.2	6.5	7.3	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
204 WIN 2016	0.7	2.3	7.1	22.5	1.2	6.5	7.3	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
205 SPR 2016	0.7	2.3	7.1	22.5	1.2	6.5	7.3	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
206 SUM 2016	0.8	2.3	7.1	22.5	1.2	6.6	7.3	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
207 WIN 2016	0.8	2.3	7.1	22.5	1.2	6.6	7.3	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
208 SPR 2017	0.8	2.3	7.1	22.5	1.2	6.6	7.3	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
209 SUM 2017	0.8	2.3	7.1	22.5	1.2	6.6	7.4	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210 WIN 2017	0.8	2.3	7.1	22.5	1.2	6.6	7.4	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
211 SPR 2018	0.8	2.3	7.0	22.1	1.2	6.4	7.1	3.2	2.0	1.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
212 SUM 2018	0.8	2.3	6.8	21.3	1.2	6.0	6.7	3.0	1.9	1.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
213 WIN 2018	0.8	2.3	6.5	20.3	1.2	5.6	6.1	2.8	1.8	1.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
214 SPR 2019	0.8	2.2	6.2	19.3	1.2	8.0	46.3	6.1	2.7	2.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.8
215 SUM 2019	0.8	2.2	5.9	18.2	1.1	8.1	47.0	6.4	3.0	2.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	3.3
216 WIN 2019	0.8	2.1	5.6	17.2	1.1	7.9	46.9	6.4	3.0	2.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	3.5
217 SPR 2020	0.8	2.1	5.3	16.2	1.1	7.7	46.7	6.4	3.0	2.6	0.2	0.0	0.0	0.0	0.0	0.1	0.0	3.7
218 SUM 2020	0.7	2.0	5.0	15.3	1.0	7.5	46.4	6.3	2.9	2.5	0.2	0.0	0.0	0.0	0.0	0.1	0.0	3.7
219 WIN 2020	0.7	1.9	4.8	14.5	1.0	7.3	46.2	6.2	2.8	2.5	0.2	0.0	0.0	0.0	0.0	0.1	0.0	3.8
452 SUM 2098	0.8	2.4	7.2	22.8	1.2	6.6	7.4	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
453 WIN 2098	0.8	2.4	7.2	22.8	1.2	6.6	7.4	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
454 SPR 2099	0.8	2.4	7.2	22.8	1.2	6.6	7.4	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
455 SUM 2099	0.8	2.4	7.2	22.8	1.2	6.6	7.4	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
456 WIN 2099	0.8	2.4	7.2	22.8	1.2	6.6	7.4	3.3	2.1	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
457																		
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Enter First Time Step of Transfer: SPR 2019		Match	214	Match	456														
		AtR	HtS	StNB	NBN	NtM	DWtB	BtTS	TS	TSdM	M	MtB	Total						
Preexisting Effects @ SS (Last Time Step)	Steady State - Value of Dep. @ Last Time Step	0.82	2.40	7.21	22.84	1.23	6.60	7.40	3.29	2.07	1.90	0.12	55.88	Tot					
Preexisting Effects @ Transient State (Max Value Timestep)	Transient State - Max. Value of Dep. After Transfer	0.82	2.40	7.20	22.83	1.23	6.60	7.40	3.29	2.07	1.90	0.12	55.86	Tot					
Steady State Change	Transient State Change	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00							

	Data Entry	GRAPHS ABOVE MILNER	GRAPHS BELOW MILNER	Calculated Effects	Calculations	Net Effects	TITLE	EXPLANATION	Web	Trans

I think the match array should start at A1 instead of A7.

It is also important to identify that the second Match Array cell located on row 462 used to identify the last time step (row 456) starts at A1 instead of A7. I believe that these two Match Array formulas should both start at A1 and end at A456.

I am not sure who at IDWR can provide clarification on this issue. Either the comment written by mweaver is incorrect or there is an error in the Match Array formula identifying the first time step of the proposed transfer (rental).

Maybe I am wrong on this but I would like some clarification on this subject.

Thank you,

Greg Sullivan
Brockway Engineering
2016 North Washington Street, Suite 4
Twin Falls, Idaho 83301
208-736-8543

From: Buyer, Remington [<mailto:Remington.Buyer@idwr.idaho.gov>]
Sent: Wednesday, July 10, 2019 1:14 PM
To: Greg Sullivan <greg.sullivan@brockwayeng.com>; 'Gary Funderburg' <tskenterpriseh2o@gmail.com>
Cc: Condon, Mary <Mary.Condon@idwr.idaho.gov>
Subject: RE: Irene Vandervegte application

Greg,

The attached workbook includes the data entry for the model run that you submitted, which I replicated, which provided the results in my prior email.

Remington

From: Greg Sullivan [<mailto:greg.sullivan@brockwayeng.com>]
Sent: Wednesday, July 10, 2019 1:07 PM
To: Buyer, Remington <Remington.Buyer@idwr.idaho.gov>; 'Gary Funderburg' <tskenterpriseh2o@gmail.com>
Cc: Condon, Mary <Mary.Condon@idwr.idaho.gov>
Subject: RE: Irene Vandervegte application

Remington,

Can you please send me the data entry that you used for your model run?

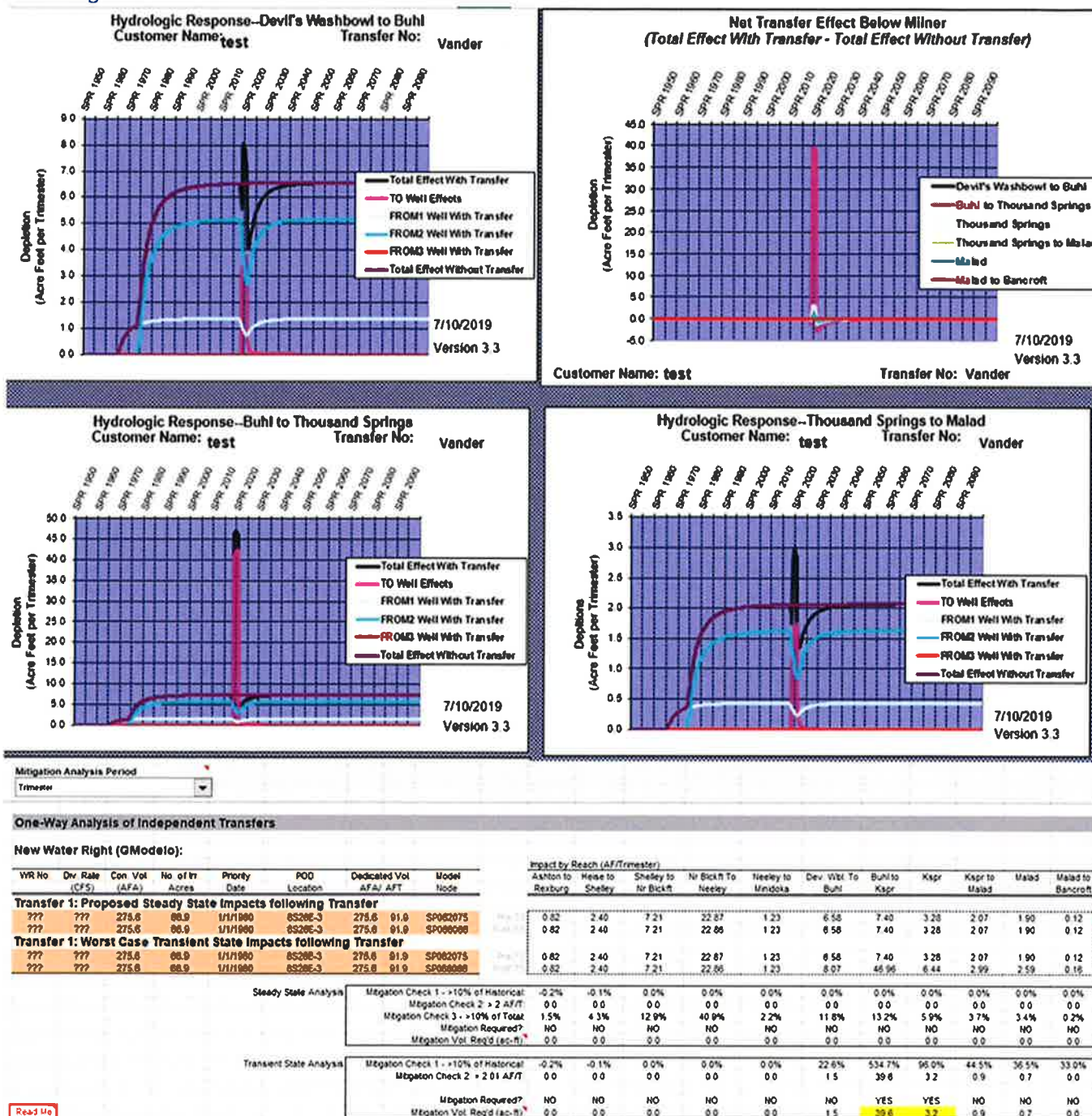
Greg Sullivan
Brockway Engineering
2016 North Washington Street, Suite 4
Twin Falls, Idaho 83301
208-736-8543

From: Buyer, Remington [<mailto:Remington.Buyer@idwr.idaho.gov>]
Sent: Wednesday, July 10, 2019 12:36 PM
To: Greg Sullivan <greg.sullivan@brockwayeng.com>; Gary Funderburg <tskenterpriseh2o@gmail.com>
Cc: Condon, Mary <Mary.Condon@idwr.idaho.gov>
Subject: RE: Irene Vandervegte application

Greg, Gary,

I ran the modeling provided to IDWR by Brockway Engineering it indicates that mitigation is required as depletions are concentrated beyond acceptable amounts in the Buhl to Thousand Springs Reach and the

Thousand Springs Reach. The images below summarize my results when I ran the recently submitted modeling:



It may be that the water rights requested for this rental are too far from the rental location to authorize the movement of the diversion volume requested.

As an alternative to water rights 36-16458 and 36-16460, I've identified the following water rights which are leased to the Bank, available for a rental during 2019, and which are more closely situated to Irene Vandervegt's rental location:

Leased WRs available for rental in 2019

Contract	Water Rights	Rate	Vol	Acres	R/AC	Vol/AC
98	36-2297	1.820	364.0	91.0	0.020	4.0
178	36-16178	0.260	52.0	13.0	0.020	4.0
266	36-16158/61	0.200	45.2	11.3	0.018	4.0
383	36-8662	0.180	36.0	0.0	####	#####
464	36-7515	0.150	32.0	8.0	0.019	4.0
794	36-8418	0.282	69.6	0.0	####	#####
		2.892	598.8	123.3	0.023	4.9

To finalize rental application 1431, our office needs modeling that does not indicate injury will occur through the rental. Two options are thus available for your consideration:

- 1) you may resubmit modeling for 36-16458 and 36-16460 such that it does not require mitigation; OR, alternatively,
- 2) you can submit modeling (that also does not require mitigation) using some or all of the leased water right amounts listed in the table above.

Please provide us with acceptable modeling within the next seven days so that we may conclude processing of this rental application. If we do not receive acceptable modeling from you prior to July 18, 2019, we may deny rental application 1431.

Please feel free to follow up with me if you have any questions,

Remington

From: Condon, Mary

Sent: Tuesday, July 9, 2019 4:16 PM

To: Buyer, Remington <Remington.Buyer@idwr.idaho.gov>

Subject: FW: Irene Vandervegte application

From: Greg Sullivan [<mailto:greg.sullivan@brockwayeng.com>]

Sent: Tuesday, July 09, 2019 1:30 PM

To: Condon, Mary <Mary.Condon@idwr.idaho.gov>; 'Gary Funderburg' <tskenterprise2o@gmail.com>

Subject: FW: Irene Vandervegte application

Mary,

See the attached model analysis.

Greg Sullivan

Brockway Engineering

2016 North Washington Street, Suite 4

Twin Falls, Idaho 83301

208-736-8543

From: Gary Funderburg [<mailto:tskenterprise2o@gmail.com>]

Sent: Tuesday, July 09, 2019 1:05 PM

To: Greg Sullivan <greg.sullivan@brockwayeng.com>

Subject: Irene Vandervegte application

Greg, Mary with IDWR is wanting you to send her a copy of the corrected Model for two years. I thought I had the email on my computer where you corrected the Model. Please send me a copy again to my email address.

Thank you
Gary Funderburg



RECEIVED
JUN 12 2019
DEPARTMENT OF
WATER RESOURCES

255 Blue Lakes Blvd N
PMB 617
Twin Falls, ID 83301
Cell: 208-320-0897

June 11, 2019

Idaho Dept. of Water Res.
322 East Front Street
P.O. Box 83720
Boise, Idaho 83720

Attention : Remington Buyer

Mr. Buyer,

Please find enclosed an Application to rent Water from the State Water Bank. This Application is for Water that is available from the State Water Bank in hopes to offset the overage of the water that was used this past year. We are aware the amount on the available water is not enough to cover all of the total needed. We hope that maybe some more water will come available for us to rent in the near future.

If you have any question, feel free to contact me at the above phone number or address.

Sincerely,

Gary Funderburg
TSKEnterprise@cableone.net
255 Blue Lakes Blvd N
PMB 617
Twin Falls, ID 83301
Cell: 208-320-0897
