STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WATER SUPPLY BANK RENTAL AGREEMENT No. 939

RECEIVED
AUG 04 2025
DEPARTMENT OF
WATER RESOURCES

This is to certify that:

WICKEL LAND COMPANY LLP
PO BOX 219
DECLO, ID 83323-0219

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)
36-4179	8/9/1959	GROUND WATER	2.22	895.0	Not Stated	Not Stated	Not Stated
Rental Totals			**2.22**	**895.0**	**Not Stated**	**Not Stated**	**Not Stated**

Term of Rental: This rental agreement shall take effect when all parties have signed it and shall continue in effect until December 31, 2026. 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 2025, whichever occurs last.

Annual Rental Fee:

2025 - 2026: **$29,535.00 annually**

The full fee for the rental of the above-described right(s) is $29,535.00 per year for years 2025 - 2026. The rental fee includes an administrative fee of $2953.50 per year for years 2025 - 2026.

An annual payment shall be received by the Department on or before December 31 each year preceding the use of the rented water rights. The agreement will be void if payment is not received by the due date in a given year. Rental fees are non-refundable. To voluntarily terminate the agreement early, notify the Department in writing prior to the rental fee due date.

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	2.22	593.0	148.2	0.015	4.00
Combined Total	2.22	**593.0**	**148.2**	**0.015**	**4.00**

**** The authorized water usage reflects a reduction from the water right elements rented, to account for a change in nature of use and the duty of water at the rental location.***

Detailed water right conditions are attached.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WATER SUPPLY BANK RENTAL AGREEMENT No. 939

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:

Signature of Renter _____ Date 7/29/25

Wickel Land LLP
Ardel W Wickel _____ Partner
Printed Name Title

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

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

By _____ Date 8/6/25
BRIAN PATTON, Executive Manager
Idaho Water Resource Board

Rental approved by IDWR _____ Date 8/6/25

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WATER SUPPLY BANK RENTAL AGREEMENT No. 939

WATER USE DETAILS

LOCATION OF POINT(S) OF DIVERSION

GROUND WATER	NWNE	Sec. 20, Twp 10S, Rge 25E,	CASSIA County
GROUND WATER	SWNE	Sec. 30, Twp 10S, Rge 25E,	CASSIA County
GROUND WATER	SWNE	Sec. 30, Twp 10S, Rge 25E,	CASSIA County
GROUND WATER	1NWNW	Sec. 30, Twp 10S, Rge 25E,	CASSIA County
GROUND WATER	1NWNW	Sec. 30, Twp 10S, Rge 25E,	CASSIA County

BENEFICIAL USE	DIVERSION RATE	VOLUME
IRRIGATION	2.22 CFS	593.0 AF

SEASON OF USE

Water Right No.	From	To
36-4179	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	
10S	25E	19													38.0	33.0	17.0	38.0	126.0
10S	25E	20	4.2	4.8			5.2		4.5			3.5							22.2

Total Acres: 148.2

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.

WATER SUPPLY BANK RENTAL AGREEMENT No. 939

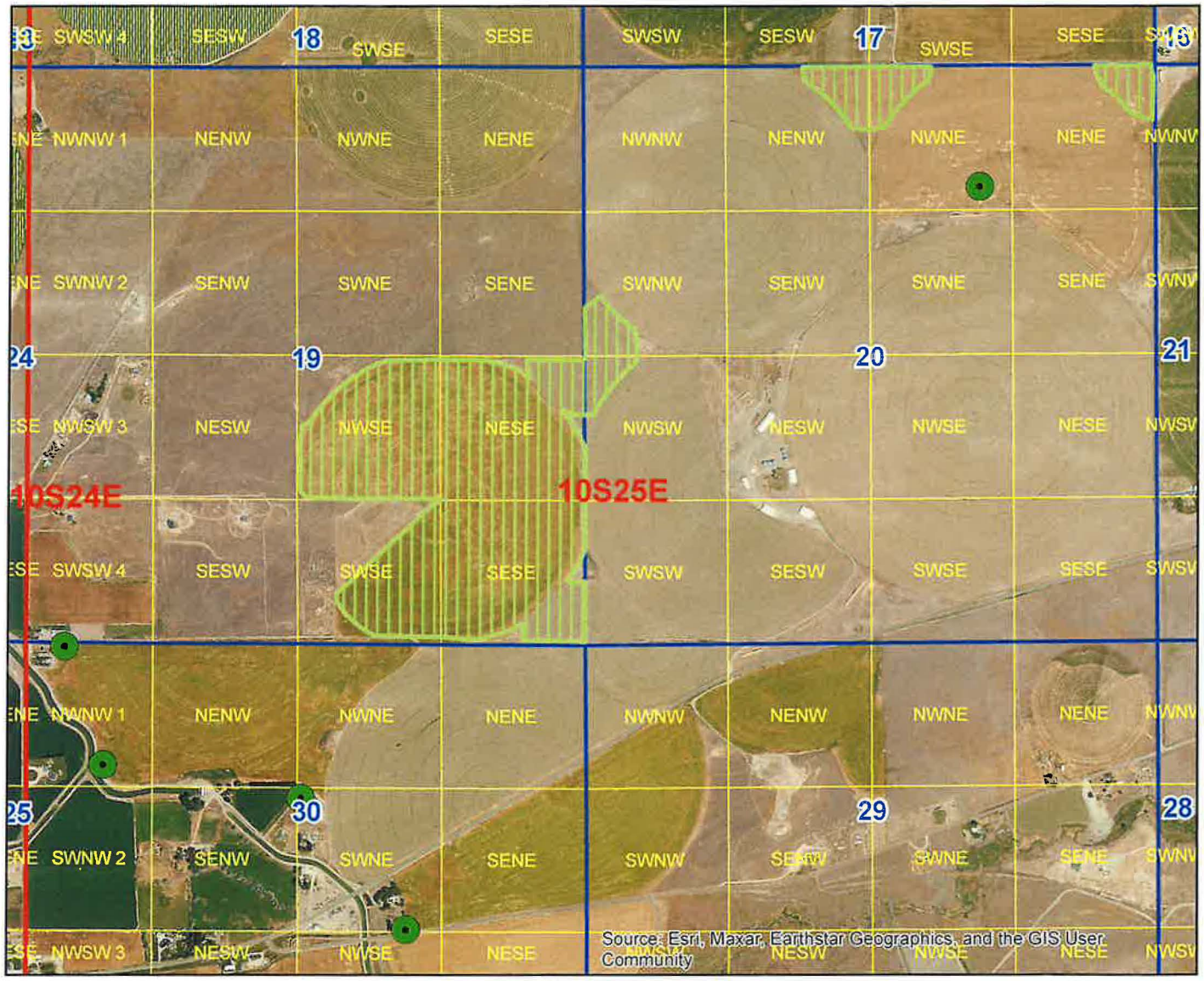
9. This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 4.0 afa per acre at the field headgate for irrigation of the place of use.
10. This rental agreement does not authorize the construction of a well.
11. Use of water under this right may be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 140.
12. 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.

Idaho Water Resource Board

Attachment to Water Supply Bank Rental Agreement No. 939

Effective until December 31, 2026

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



Legend

- Water Supply Bank Rental POD
- Water Supply Bank Rental POU
- Township/Range
- Sections
- QQ

N

0 2,100 4,200 Feet

Form 42-1761-2 10/15

STATE OF IDAHO
WATER RESOURCE BOARD

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

RECEIVED
OCT 18 2024
DEPT. OF WATER RESOURCES

Applicant Name: Wickel Land Company

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)

36-4179

3089

STATE OF IDAHO
WATER RESOURCE BOARD

Application to Rent Water (Continued)

1. CONTACT INFORMATION

A. Applicant Wickel Land Company

Mailing Address P.O. Box 219 Declo, Idaho 83323
Street City State Zip Code

Email Address _____ Phone Number 208-654-2341

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 Greg Sullivan Professional Title Engineer

Organization Brockway Engineering Relationship to Applicant _____

Mailing Address 2016 North Washington Street, Suite 4 Twin Falls, Idaho 83301

Email Address greg.sullivan@brockwayeng.com Phone Number 208-736-8543

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**:
Irrigation water will be diverted from existing PODs and applied on the farm with existing pivots.

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)
2.22 CFS	592 AF	2.22 CFS	592 AF	148.2 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?	
5/1/2025	10/1/2025	☐ 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):
Existing wells, mainlines and delivery system.

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

POD Description	Water Source	Other Water Rights Diverted from this POD
See Exhibit A	Ground Water	45-2468, 45-7336, 45-7449, 45-7471, et al.

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 148.2 (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: _____ (mm/dd) to: _____ (mm/dd)

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

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

L. List all other water rights and sources of water at the rental place of use for the same purpose, including privately owned water rights and water received from a municipal supplier, an irrigation district, a canal company or any other water delivery entity. Explain why additional water is required:
45-2468, 45-7336, 45-7449, 45-7471, 45-13773, 45-14453, 45-14454, et al.

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)
36-4179	Industrial	4.27				2.22	592	148.2
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	2.22 CFS	592 AF	148.2 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**:

No unconventional duty expected.

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**:

An amount of 0.015 cfs/acre will be rented from 36-4179 because 36-4179 is a fully consumptive water right.

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:
Water was rented in 2014 through 2022 for this farm.

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
N/A

DECLARATION

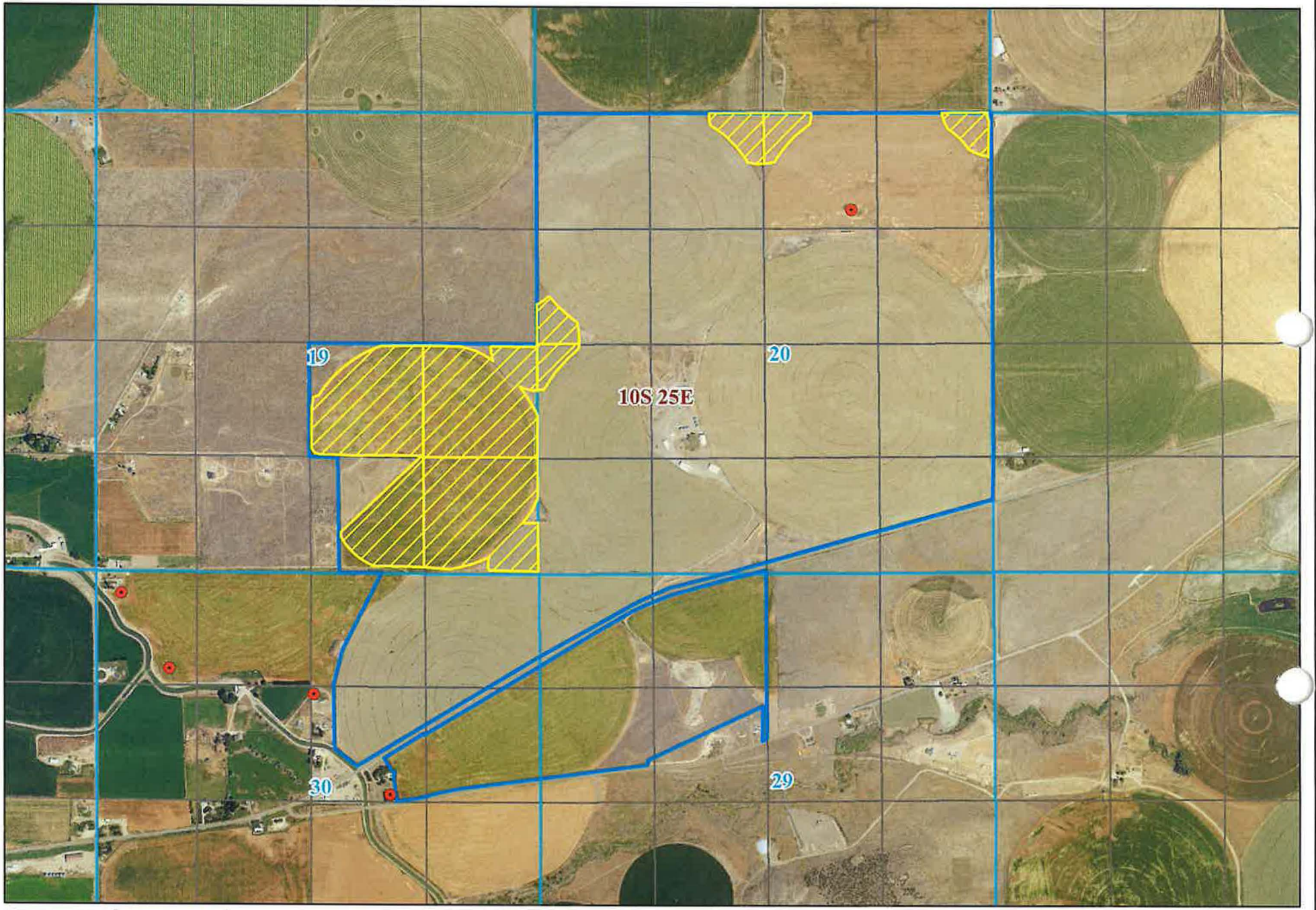
I hereby assert that the information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval. I understand that if this rental application is 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	Printed Name of Applicant	Date
Jesse Wickel	Jesse Wickel	10/14/24
Signature of Representative	Printed Name of Representative	Date

Mail to:

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

Path: F:\Projects\Wickel, Ardel\ArcView 9.0\Declo Farm WSB RENTAL 2021.mxd



0 1,250 2,500 Feet

WICKEL - DECLO FARM
WATER BANK RENTAL 148.2 ACRES
NAIP 2023 AERIAL PHOTOGRAPH

Legend
- Points of Diversion
- Declo_Rental_Acres
- PPU

N

BROCKWAY ENGINEERING PLLC
GWS - Date: 10/14/2024

0005468928

STATE OF IDAHO

Office of the secretary of state, Phil McGrane

ANNUAL REPORT

Idaho Secretary of State
PO Box 83720
Boise, ID 83720-0080
(208) 334-2301
Filing Fee: $0.00

For Office Use Only

-FILED-

File #: 0005468928

Date Filed: 11/7/2023 9:29:48 AM

Entity Name and Mailing Address:

Entity Name:	WICKEL LAND COMPANY, LLP
The file number of this entity on the records of the Idaho Secretary of State is:	0000015134
Address	PO BOX 219 DECLO, ID 83323-0219

Entity Details:

Entity Status	Active-Existing
This entity is organized under the laws of:	IDAHO
If applicable, the old file number of this entity on the records of the Idaho Secretary of State was:	J2236

The registered agent on record is:

Registered Agent	ARDEL W WICKEL Registered Agent Physical Address 574 TERRACE DRIVE DECLO, ID 83323 Mailing Address

Limited Liability Partnership Partners

Name	Business Address
JESSE D WICKEL	230 N 500 E RUPERT, ID 83350
JUDY WICKEL	574 TERRACE DRIVE BURLEY, ID 83318

The annual report must be signed by an authorized signer of the entity.

Job Title: Secretary

Jesse Wickel — Sign Here

11/07/2023 — Date

Page 1 of 1

B0855-2035 11/07/2023 9:29 AM Received by Office of the Idaho Secretary of State

Mitigation Analysis Period

Trimester

Ardel Wickel Rental 2025-2026

One-Way Analysis of Independent Transfers

New Water Right (GModelo):

Pre-SS 100.00%

Post-SS 100.00%

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

Impact by Reach (AF/Trimester)

	Ashton to Rexburg	Heise to Shelley	Shelley to Nr Blckft	Nr Blckft To Neeley	Neeley to Minidoka	Dev. Wbl. To Buhl	Buhl to Kspr	Kspr	Kspr to Malad	Malad	Malad to Bancroft	
Pre-SS	1.62	2.63	13.87	61.54	6.13	21.43	16.99	7.64	6.96	7.57	1.00	147.4
Post-SS	1.62	2.63	13.88	61.57	6.13	21.43	17.00	7.64	6.96	7.57	1.00	147.4
Pre-TS	1.62	2.63	13.87	61.54	6.13	21.43	16.99	7.64	6.96	7.57	1.00	147.4
Post-TS	1.62	2.63	13.88	61.61	7.88	21.51	17.06	7.67	6.98	7.59	1.00	149.4

		Ashton to Rexburg	Heise to Shelley	Shelley to Nr Blckft	Nr Blckft To Neeley	Neeley to Minidoka	Dev. Wbl. To Buhl	Buhl to Kspr	Kspr	Kspr to Malad	Malad	Malad to Bancroft
Steady State Analysis	Mitigation Check 1 - >10% of Historical:	0.1%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
	Mitigation Check 2: > 2 AF/T:	0.0	0.0	0.0	0.0	0.00	0.0	0.01	0.0	0.0	0.0	0.0
	Mitigation Check 3 - >10% of Total:	1.1%	1.8%	9.4%	41.8%	4.2%	14.5%	11.5%	5.2%	4.7%	5.1%	0.7%
	Mitigation Required?:	NO	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	0.0
Transient State Analysis	Mitigation Check 1 - >10% of Historical:	0.1%	0.1%	0.1%	0.1%	28.6%	0.4%	0.4%	0.4%	0.3%	0.3%	0.1%
	Mitigation Check 2: > 2.01 AF/T:	0.0	0.0	0.0	0.1	1.75	0.1	0.06	0.0	0.0	0.0	0.0
	Mitigation Required?:	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	Mitigation Vol. Req'd (ac-ft):	0.0	0.0	0.0	0.1	1.8	0.1	0.1	0.0	0.0	0.0	0.0

Read Me

Pre-SS 0.00%

Post-SS 0.00%

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

Impact by Reach (AF/Trimester)

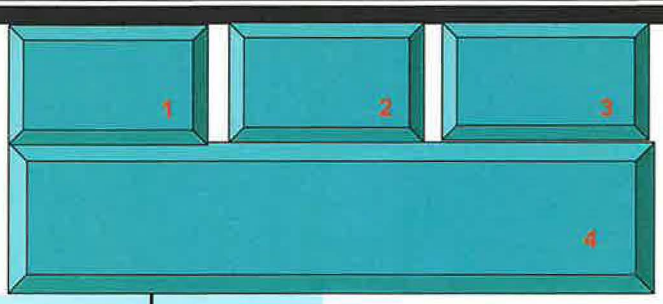
	Ashton to Rexburg	Heise to Shelley	Shelley to Nr Blckft	Nr Blckft To Neeley	Neeley to Minidoka	Dev. Wbl. To Buhl	Buhl to Kspr	Kspr	Kspr to Malad	Malad	Malad to Bancroft	
Pre-SS	0.0	0.0	0.0	67.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.7
Post-SS	0.0	0.0	0.0	67.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.7
Pre-TS	0.0	0.0	0.0	67.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.7
Post-TS	0.0	0.0	0.0	69.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69.5

		Ashton to Rexburg	Heise to Shelley	Shelley to Nr Blckft	Nr Blckft To Neeley	Neeley to Minidoka	Dev. Wbl. To Buhl	Buhl to Kspr	Kspr	Kspr to Malad	Malad	Malad to Bancroft
Steady State Analysis	Mitigation Check 1 - >10% of Historical:	0.0%	0.0%	0.0%	0.1%	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	0.0	0.00	0.0	0.0	0.0	0.0	0.0
	Mitigation Check 3 - >10% of Total:	0.0%	0.0%	0.0%	100.0%	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	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	0.0
Transient State Analysis	Mitigation Check 1 - >10% of Historical:	0.0%	0.0%	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Mitigation Check 2: > 2.01 AF/T:	0.0	0.0	0.0	1.82	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	NO
	Mitigation Vol. Req'd (ac-ft):	0.0	0.0	0.0	1.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ENHANCED GROUND-WATER RIGHTS TRANSF

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE IDAHO DEPA

Cells this color are set up for user entries



ENTER STARTING DATE FOR SIMULATION. THEN PUSH "UPDATE DATES" BUTTON		TRANSFER NO:	0
YEAR	1950	TRANSFER NAME:	
SEASON	SPRING		Wickel

148.2

ENTER CELL LOCATIONS:	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	90	84	0	0
COLUMN	59	52	0	0

TRIMESTER OF ACTIVITY	TO WELL	FROM1 WELL		FROM2 WELL		FROM3 WELL	
	Projected Use	With Transfer	Without Transfer	With Transfer	Without Transfer	With Transfer	Without Transfer
	AF/TRIMESTER	AF/TRIMESTER	AF/TRIMESTER	AF/TRIMESTER	AF/TRIMESTER	AF/TRIMESTER	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	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1967	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1967	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1967	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1969	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1969	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1969	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1970	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1970	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1970	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1971	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1971	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1971	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1972	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1972	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1972	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1973	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1973	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1973	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1974	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1974	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1974	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1975	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1975	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1975	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1976	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1976	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1976	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1977	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUM 1977	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WIN 1977	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPR 1978	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1978	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1978	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1979	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1979	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1979	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1980	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1980	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1980	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1981	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1981	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1981	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1982	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1982	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1982	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1983	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1983	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1983	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1984	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1984	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1984	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1985	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1985	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1985	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1986	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1986	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1986	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1987	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1987	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1987	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1988	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1988	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1988	0.0	148.2	148.2	0.0	0.0	0.0	0.0

SPR 1989	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1989	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1989	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1990	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1990	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1990	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1991	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1991	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1991	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1992	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1992	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1992	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1993	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1993	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1993	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1994	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1994	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1994	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1995	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1995	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1995	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1996	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1996	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1996	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1997	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1997	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1997	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1998	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1998	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1998	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 1999	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 1999	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 1999	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2000	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2000	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2000	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2001	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2001	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2001	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2002	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2002	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2002	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2003	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2003	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2003	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2004	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2004	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2004	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2005	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2005	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2005	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2006	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2006	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2006	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2007	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2007	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2007	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2008	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2008	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2008	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2009	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2009	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2009	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2010	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2010	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2010	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2011	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2011	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2011	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2012	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2012	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2012	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2013	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2013	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2013	0.0	148.2	148.2	0.0	0.0	0.0	0.0

SPR 2014	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2014	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2014	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2015	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2015	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2015	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2016	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2016	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2016	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2017	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2017	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2017	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2018	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2018	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2018	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2019	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2019	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2019	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2020	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2020	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2020	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2021	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2021	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2021	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2022	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2022	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2022	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2023	148.2	0.0	148.2	0.0	0.0	0.0	0.0
SUM 2023	148.2	0.0	148.2	0.0	0.0	0.0	0.0
WIN 2023	148.2	0.0	148.2	0.0	0.0	0.0	0.0
SPR 2024	148.2	0.0	148.2	0.0	0.0	0.0	0.0
SUM 2024	148.2	0.0	148.2	0.0	0.0	0.0	0.0
WIN 2024	148.2	0.0	148.2	0.0	0.0	0.0	0.0
SPR 2025	148.2	0.0	148.2	0.0	0.0	0.0	0.0
SUM 2025	148.2	0.0	148.2	0.0	0.0	0.0	0.0
WIN 2025	148.2	0.0	148.2	0.0	0.0	0.0	0.0
SPR 2026	148.2	0.0	148.2	0.0	0.0	0.0	0.0
SUM 2026	148.2	0.0	148.2	0.0	0.0	0.0	0.0
WIN 2026	148.2	0.0	148.2	0.0	0.0	0.0	0.0
SPR 2027	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2027	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2027	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2028	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2028	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2028	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2029	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2029	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2029	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2030	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2030	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2030	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2031	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2031	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2031	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2032	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2032	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2032	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2033	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2033	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2033	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2034	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2034	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2034	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2035	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2035	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2035	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2036	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2036	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2036	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2037	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2037	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2037	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2038	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2038	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2038	0.0	148.2	148.2	0.0	0.0	0.0	0.0

SPR 2039	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2039	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2039	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2040	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2040	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2040	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2041	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2041	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2041	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2042	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2042	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2042	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2043	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2043	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2043	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2044	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2044	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2044	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2045	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2045	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2045	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2046	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2046	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2046	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2047	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2047	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2047	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2048	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2048	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2048	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2049	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2049	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2049	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2050	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2050	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2050	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2051	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2051	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2051	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2052	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2052	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2052	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2053	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2053	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2053	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2054	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2054	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2054	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2055	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2055	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2055	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2056	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2056	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2056	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2057	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2057	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2057	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2058	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2058	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2058	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2059	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2059	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2059	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2060	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2060	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2060	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2061	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2061	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2061	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2062	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2062	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2062	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2063	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2063	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2063	0.0	148.2	148.2	0.0	0.0	0.0	0.0

SPR 2064	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2064	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2064	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2065	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2065	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2065	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2066	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2066	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2066	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2067	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2067	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2067	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2068	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2068	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2068	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2069	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2069	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2069	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2070	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2070	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2070	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2071	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2071	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2071	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2072	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2072	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2072	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2073	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2073	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2073	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2074	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2074	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2074	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2075	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2075	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2075	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2076	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2076	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2076	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2077	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2077	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2077	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2078	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2078	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2078	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2079	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2079	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2079	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2080	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2080	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2080	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2081	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2081	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2081	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2082	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2082	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2082	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2083	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2083	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2083	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2084	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2084	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2084	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2085	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2085	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2085	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2086	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2086	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2086	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2087	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2087	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2087	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2088	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2088	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2088	0.0	148.2	148.2	0.0	0.0	0.0	0.0

SPR 2089	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2089	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2089	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2090	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2090	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2090	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2091	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2091	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2091	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2092	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2092	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2092	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2093	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2093	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2093	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2094	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2094	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2094	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2095	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2095	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2095	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2096	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2096	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2096	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2097	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2097	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2097	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2098	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2098	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2098	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SPR 2099	0.0	148.2	148.2	0.0	0.0	0.0	0.0
SUM 2099	0.0	148.2	148.2	0.0	0.0	0.0	0.0
WIN 2099	0.0	148.2	148.2	0.0	0.0	0.0	0.0

IDAHO DEPARTMENT OF
WATER RESOURCES

322 E Front Street, Suite 648, Boise ID 83702 • PO Box 83720, Boise ID 83720-0098
Phone: 208-287-4800 • Fax: 208-287-6700 • Email: idwrinfo@idwr.idaho.gov • Website: idwr.idaho.gov

Governor Brad Little **Director Mathew Weaver**

August 07, 2025

WICKEL LAND COMPANY LLP
PO BOX 219
DECLO, ID 83323-0219

RE: RENTAL OF WATER FROM THE WATER SUPPLY BANK
WATER RIGHT NO(S). 36-4179, AGREEMENT 939

Dear Renter:

Please find enclosed a receipt in the amount of **$29,535.00** and a copy of a fully executed Water Supply Bank Rental Agreement in connection with the rental of 895.0 acre-feet of water for irrigation during 2025. 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 $26,581.50 of the rental fee will be paid to the lessor(s) and 10% or $2,953.50 will be retained by the Department to offset administrative costs.

The annual rental fee for 2026 is due by December 31, 2025. If you have questions regarding this matter, please contact this office at bank@idwr.idaho.gov or 208-287-4800.

Sincerely,

Debra Mansfield

for
Water Supply Bank

Enclosures: Receipt No. C122395
Rental Agreement (copy)

c: Sascha Marston – Fiscal
IDWR Southern Regional Office
Representative
Water District 140

Mansfield, Debra

From: Mansfield, Debra
Sent: Thursday, August 7, 2025 10:00 AM
To: IdwrPayable; Skinner, Corey; greg.sullivan@brockwayeng.com; jaxon@waterwellconsultants.com
Cc: Bank
Subject: Executed WSB Rental Agreement 939 Wickel Land Company LLP
Attachments: Executed WSB Rental Agreement 939 Wickel Land Company LLP 2025-2026.pdf

Hello,

Please see the attached copy of WSB Rental Agreement 939, in the name of Wickel Land Company LLP, for your records.

Thank you,

Debra Mansfield | Technical Records Specialist 1
IDWR – State Office
322 E Front St, Boise ID 83702-7371
(208) 287-4921 | Debra.Mansfield@idwr.idaho.gov

IDAHO DEPARTMENT OF
WATER RESOURCES

322 E Front Street, Suite 648, Boise ID 83702 • PO Box 83720, Boise ID 83720-0098
Phone: 208-287-4800 • Fax: 208-287-6700 • Email: idwrinfo@idwr.idaho.gov • Website: idwr.idaho.gov

Governor Brad Little

Director Mathew Weaver

July 15, 2025

WICKEL LAND COMPANY LLP
PO BOX 219
DECLO, ID 83323-0219

RE: APPLICATION TO RENT WATER FROM THE WATER SUPPLY BANK
WATER RIGHT NO(S). 36-4179 AGREEMENT 939

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

Dear Applicant:

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

A rental fee of $29,535.00 per year was calculated based on the current rental rate of $33.00 per acre-foot times a diversion volume of 895.0 acre-feet.

Please send a check for $29,535.00 for 2025 made payable to the Idaho Department of Water Resources, **together with the signed rental agreement**, **within 14 days** so I can complete processing. An annual payment shall be received by the Department prior to the execution of this agreement and prior to January 1 in all subsequent years for the duration of the rental period. The agreement will be void if payment is not received prior to the due date in a given year. If you would like to terminate the agreement prior to the end of the rental period, you must submit written notice of your intent to the Department at least 30 days prior to the rental fee due date.

Pursuant to the Water Supply Bank Rules, 90% or $26,581.50 of the rental fee will be paid to the lessor(s) and 10% or $2,953.50 will be retained by the Department to offset administrative costs for **2025.**

If you have any questions, please contact this office at bank@idwr.idaho.gov or (208) 287-4800.

Sincerely,

Aaron Olson
for
Water Supply Bank

Enclosure: Rental Agreement

c: IDWR Front Desk, Greg Sullivan

Olson, Aaron

From: Greg Sullivan <greg.sullivan@brockwayeng.com>
Sent: Friday, July 11, 2025 1:51 PM
To: Olson, Aaron
Subject: RE: Wickel Land Company Application to Rent Water From the Board's Water Supply Bank
Attachments: Wickel Rental ESPA Model.pdf

CAUTION: This email originated outside the State of Idaho network. Verify links and attachments BEFORE you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.

Aaron,

In an effort to model the hydraulic of the Wickel rental as accurate as possible, here is a summary of the volumes that I think should be used in ESPA Model analysis for the 2025-2026 Wickel rental.

Because rental agreements #137 and #718 are for 896 and 895 af annually or 298.7 af/trimester and 298.3 af/trimester, a volume of 298.7 af/trimester was entered in the FROM Without Transfer column from 1959 through 2099.

Rental agreement #137 was for the years 2017 through 2021. A volume of 896 acre feet annually was rented from 36-4179 by Wickel for those years. Which means that 896/3 = 298.7 af/trimester was assigned to the Wickel from the 36-4179. The FROM well Without transfer for these years should be 298.7 af/trimester because that is volume amount that Wickel has paid for each year.

The actual volume that can be pumped at the Wickel farm is 444.6 af annually or 148.2 af per trimester. This is based on the current IDWR memos regarding transfer and rental analysis with the ESPA Model Analyses tool. Even though the ground water district allowed volume is less than this.

The diversion volume of 591 af annually is required to obtain a diversion rate of 2.22 cfs or 0.015 cfs/acre. This is per IDWR Memo guidance. The increased in rented diversion rate does not result in an allowed increase in annual volume on the 148.2 acres. The annual volume limit must remain at 444.6 af annually or 148.2 af per trimester.

No water was rented from 36-4179 by the Wickel's in 2022. Which means the TO well column has 0.0 entered in the trimesters for 2022. The 298.7 af/trimester was entered into the FROM With Transfer column for 2022.

Rental agreement #718 was for the years 2023 and 2024. A volume of 895 acre feet annually was rented from 36-4179 by Wickel for those years. Which means that 895/3 = 298.3 af/trimester was assigned to the Wickel from the 36-4179. The FROM well Without transfer for these years should be 298.3 af/trimester because that is volume amount that Wickel has paid for each year.

The actual volume that can be pumped at the Wickel farm is 444.6 af annually or 148.2 af per trimester. This is based on the current IDWR memos regarding transfer and rental analysis with the ESPA Model Analyses tool. Even though the ground water district allowed volume is less than this.

The diversion volume of 593 af annually is required to obtain a diversion rate of 2.22 cfs or 0.015 cfs/acre. This is per IDWR Memo guidance. The increased in rented diversion rate does not result in an allowed increase in annual volume on the 148.2 acres. The annual volume limit must remain at 444.6 af annually or 148.2 af per trimester.

The additional volume that has been paid for by Wickel in rental agreements #137 and #718 must be included in the rental analysis. The 896 af/year of water was not pumped by 36-4179 and no one else was authorized to utilize the 896 af/year anywhere else in the ESPA. The whole point of renting additional volume in a rental is to offset river reach impacts. The only way to quantify the required additional volume is to include that additional volume in the ESPA Model analysis.

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

All information, calculations, maps, drawings, or other documents transmitted via e-mail are preliminary unless explicitly stated in the e-mail text or in the documents themselves.

From: Olson, Aaron [mailto:Aaron.Olson@idwr.idaho.gov]
Sent: Tuesday, July 08, 2025 11:30 AM
To: Greg Sullivan <greg.sullivan@brockwayeng.com>
Subject: RE: Wickel Land Company Application to Rent Water From the Board's Water Supply Bank

Good Morning Greg,

I apologize for the delayed response. For the model analysis 223.8 AF/Trimester is entered in the "From1 Well" columns due to the change in nature of use for water right 36-4179 from industrial to irrigation use and to match the duty of water for the existing water rights at the rental points of diversion (45-23298, 45-2468, 45-7336, 45-13773, 45-7449, 45-7471, 45-14453, 45-14454, 45-14466, 45-14467, 45-14468, 45-14473, and 45-14474). This is consistent with the previous rental agreements dating back to 2017 where a diversion volume of 896/895 acre-feet was rented with a reduction to authorize 593 acre-feet so the requested diversion rate of 0.015 cfs could be achieved (since the duty of water right 36-4179 is effectively 0.01 cfs/4 AF per acre the additional volume needs to be rented to achieve the requested rate). I have attached previous rental agreements from 2017 and 2023 which discuss the rented amounts in the review memos beginning on pages 21 and 24 respectively.

For modeling purposes the 223.8 AF/Trimester in the "From 1 Well" rather than 142.8 AF effectively acts as mitigation, whereas when using the 148.2 AF in both the "From1 Well" and "To Well" results in a greater impact to the Neeley to Minidoka reach of the Snake River. I have attached the data entry and results of a model run with that volume as well.

I am glad to discuss over the phone, please feel free to give me a call or I can follow up shortly.

Thanks,

Aaron

From: Greg Sullivan <greg.sullivan@brockwayeng.com>
Sent: Friday, June 13, 2025 4:20 PM
To: Olson, Aaron <Aaron.Olson@idwr.idaho.gov>
Subject: RE: Wickel Land Company Application to Rent Water From the Board's Water Supply Bank

CAUTION: This email originated outside the State of Idaho network. Verify links and attachments BEFORE you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.

Aaron,

I looked at your model analysis and I am not sure why you entered 223.8 acre feet in each trimester or 671.4 acre feet per year. The rental application applied for the irrigation of 148.2 acres. With your annual volume, we would be renting 4.53 acre feet per acre.

The rental application applied to rent 148.2 acres of irrigation and 592 acre feet of volume or 4.0 acre feet per acre.

The IDWR policy provided in "Use of the ESPA Model Transfer Spreadsheet for Water Supply Bank Rentals in the Eastern Snake River Plain Aquifer, 2016" recommends using annul consumptive use volumes in the model analysis. Using IDWR's standard consumptive irrigation is required and is an acceptable practice for Water Supply Bank rentals. Based on the information on page 7 of this document and the location of the farm in which the water will be rented to. The consumptive use to be modeled is 3.0 acre feet per acre or 444.6 acre feet total (3 x 148.2 acres). This breaks down to 148.2 acre feet per trimester.

Because we are renting an industrial water right for irrigation, the Water Supply Banks current policy is to require renting a full 4.0 acre feet per acre. Even though no farmer ever applies 4.0 acre feet per acre and the local ground water district will only allow an application rate of about 2.0 acre feet per acre. The required volume of industrial water to be rented is 592 acre feet.

Please give me a call to discuss.

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

All information, calculations, maps, drawings, or other documents transmitted via e-mail are preliminary unless explicitly stated in the e-mail text or in the documents themselves.

From: Olson, Aaron [mailto:Aaron.Olson@idwr.idaho.gov]
Sent: Friday, June 06, 2025 4:18 PM
To: greg.sullivan@brockwayeng.com
Subject: Wickel Land Company Application to Rent Water From the Board's Water Supply Bank

Good Afternoon Greg,

I am wrapping up processing of Wickel Land Company's Application to Rent Water From the Board's Water Supply Bank that was submitted October 18th of 2024. I ran the Eastern Snake Plain Aquifer ETRAN modeling tool to also include analysis of the previous rental from the same point of diversion and unfortunately my results showed that the rental as proposed would require 7 acre-feet of mitigation to offset the impacts to the Snake River at the Neeley to Minidoka Reach. I also ran the model for a single year rental in 2025 to see if that would prevent mitigation from being needed, but the result still came up with 6.4 acre-feet being required.

So at this point the two options to move forward with this rental would be to reduce the number of acres that will be rented, or rent additional water to mitigate for the depletion. Nearby water right 45-14554 leased under contract 1832 is available. If renting additional water we will need modeling for that scenario.

I am glad to discuss moving forward with the application, please feel free to reach out if you have any questions.

Thanks,

Aaron Olson - Water Resource Agent, Principal
Idaho Dept. of Water Resources
322 E Front St Ste 648
Boise, ID 83702-7371
(208) 287-4907
Aaron.Olson@idwr.idaho.gov

Mitigation Analysis Period

Trimester

Ardel Wickel Rental 2025-2026

One-Way Analysis of Independent Transfers

New Water Right (GModelo):

Pre-SS 100.00%

Post-SS 100.00%

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

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	Kspr to Malad	Malad	Malad to Bancroft	
Pre-SS	3.27	5.30	28.00	124.22	12.37	43.22	34.28	15.41	14.04	15.27	2.01	297.4
Post-SS	3.26	5.29	27.94	123.99	12.34	43.16	34.24	15.39	14.02	15.25	2.00	296.9
Pre-TS	3.27	5.30	28.00	124.22	12.37	43.22	34.28	15.41	14.04	15.27	2.01	297.4
Post-TS	3.26	5.29	27.94	123.99	13.77	43.16	34.24	15.39	14.02	15.25	2.00	298.3

		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	Kspr to Malad	Malad	Malad to Bancroft
Steady State Analysis	Mitigation Check 1 - >10% of Historical:	-0.5%	-0.3%	-0.2%	-0.2%	-0.2%	-0.1%	-0.1%	-0.1%	-0.1%	-0.2%	-0.2%
	Mitigation Check 2: > 2 AF/T:	0.0	0.0	-0.1	-0.2	-0.02	-0.1	-0.05	0.0	0.0	0.0	0.0
	Mitigation Check 3 - >10% of Total:	1.1%	1.8%	9.4%	41.8%	4.2%	14.5%	11.5%	5.2%	4.7%	5.1%	0.7%
	Mitigation Required?:	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	Mitigation Vol. Req'd (ac-ft):	0.0	0.0	-0.1	-0.2	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
Transient State Analysis	Mitigation Check 1 - >10% of Historical:	-0.5%	-0.3%	-0.2%	-0.2%	11.4%	-0.1%	-0.1%	-0.1%	-0.1%	-0.2%	-0.2%
	Mitigation Check 2: > 2.01 AF/T:	0.0	0.0	-0.1	-0.2	1.40	-0.1	-0.05	0.0	0.0	0.0	0.0
	Mitigation Required?:	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	Mitigation Vol. Req'd (ac-ft):	0.0	0.0	-0.1	-0.2	1.4	-0.1	0.0	0.0	0.0	0.0	0.0

Read Me

Pre-SS 0.00%

Post-SS 0.00%

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

Impact by Reach (AF/Trimester)

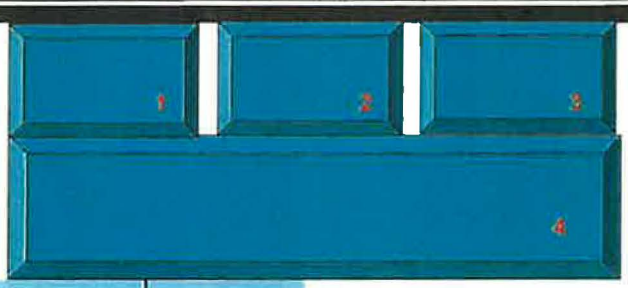
	Ashton to Rexburg	Heise to Shelley	Shelley to Nr Bickft	Nr Bickft To Neeley	Neeley to Minidoka	Dev. Wbl. To Buhl	Buhl to Kspr	Kspr	Kspr to Malad	Malad	Malad to Bancroft	
Pre-SS	0.0	0.0	0.0	136.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	136.6
Post-SS	0.0	0.0	0.0	136.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	136.3
Pre-TS	0.0	0.0	0.0	136.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	136.6
Post-TS	0.0	0.0	0.0	137.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	137.8

		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	Kspr to Malad	Malad	Malad to Bancroft
Steady State Analysis	Mitigation Check 1 - >10% of Historical:	0.0%	0.0%	0.0%	-0.2%	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	-0.3	0.0	0.00	0.0	0.0	0.0	0.0	0.0
	Mitigation Check 3 - >10% of Total:	0.0%	0.0%	0.0%	100.0%	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	NO
	Mitigation Vol. Req'd (ac-ft):	0.0	0.0	0.0	-0.3	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%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Mitigation Check 2: > 2.01 AF/T:	0.0	0.0	0.0	1.18	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	NO
	Mitigation Vol. Req'd (ac-ft):	0.0	0.0	0.0	1.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ENHANCED GROUND-WATER RIGHTS TRANSF

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE IDAHO DEPA

Cells this color are set up for user entries



148.2

ENTER STARTING DATE FOR SIMULATION. THEN PUSH "UPDATE DATES" BUTTON		TRANSFER NO:	0
YEAR	1950	TRANSFER NAME:	
SEASON	SPRING	Wickel	

ENTER CELL LOCATIONS:	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	90	84	0	0
COLUMN	59	52	0	0

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	FROM1 WELL With Transfer AF/TRIMESTER	FROM1 WELL Without Transfer AF/TRIMESTER	FROM2 WELL With Transfer AF/TRIMESTER	FROM2 WELL Without Transfer AF/TRIMESTER	FROM3 WELL With Transfer AF/TRIMESTER	FROM3 WELL 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	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1959	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1959	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1960	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1960	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1960	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1961	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1961	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1961	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1962	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1962	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1962	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1963	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1963	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1963	0.0	298.7	298.7	0.0	0.0	0.0	0.0

SPR 1964	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1964	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1964	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1965	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1965	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1965	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1966	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1966	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1966	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1967	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1967	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1967	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1968	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1968	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1968	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1969	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1969	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1969	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1970	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1970	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1970	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1971	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1971	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1971	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1972	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1972	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1972	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1973	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1973	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1973	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1974	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1974	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1974	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1975	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1975	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1975	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1976	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1976	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1976	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1977	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1977	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1977	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1978	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1978	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1978	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1979	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1979	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1979	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1980	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1980	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1980	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1981	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1981	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1981	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1982	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1982	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1982	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1983	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1983	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1983	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1984	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1984	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1984	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1985	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1985	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1985	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1986	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1986	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1986	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1987	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1987	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1987	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1988	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1988	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1988	0.0	298.7	298.7	0.0	0.0	0.0	0.0

SPR 1989	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1989	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1989	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1990	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1990	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1990	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1991	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1991	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1991	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1992	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1992	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1992	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1993	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1993	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1993	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1994	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1994	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1994	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1995	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1995	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1995	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1996	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1996	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1996	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1997	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1997	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1997	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1998	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1998	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1998	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 1999	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 1999	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 1999	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2000	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2000	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2000	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2001	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2001	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2001	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2002	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2002	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2002	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2003	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2003	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2003	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2004	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2004	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2004	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2005	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2005	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2005	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2006	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2006	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2006	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2007	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2007	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2007	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2008	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2008	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2008	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2009	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2009	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2009	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2010	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2010	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2010	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2011	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2011	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2011	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2012	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2012	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2012	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2013	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2013	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2013	0.0	298.7	298.7	0.0	0.0	0.0	0.0

SPR 2014	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2014	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2014	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2015	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2015	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2015	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2016	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2016	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2016	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2017	148.2	0.0	298.7	0.0	0.0	0.0	0.0
SUM 2017	148.2	0.0	298.7	0.0	0.0	0.0	0.0
WIN 2017	148.2	0.0	298.7	0.0	0.0	0.0	0.0
SPR 2018	148.2	0.0	298.7	0.0	0.0	0.0	0.0
SUM 2018	148.2	0.0	298.7	0.0	0.0	0.0	0.0
WIN 2018	148.2	0.0	298.7	0.0	0.0	0.0	0.0
SPR 2019	148.2	0.0	298.7	0.0	0.0	0.0	0.0
SUM 2019	148.2	0.0	298.7	0.0	0.0	0.0	0.0
WIN 2019	148.2	0.0	298.7	0.0	0.0	0.0	0.0
SPR 2020	148.2	0.0	298.7	0.0	0.0	0.0	0.0
SUM 2020	148.2	0.0	298.7	0.0	0.0	0.0	0.0
WIN 2020	148.2	0.0	298.7	0.0	0.0	0.0	0.0
SPR 2021	148.2	0.0	298.7	0.0	0.0	0.0	0.0
SUM 2021	148.2	0.0	298.7	0.0	0.0	0.0	0.0
WIN 2021	148.2	0.0	298.7	0.0	0.0	0.0	0.0
SPR 2022	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2022	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2022	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2023	148.2	0.0	298.3	0.0	0.0	0.0	0.0
SUM 2023	148.2	0.0	298.3	0.0	0.0	0.0	0.0
WIN 2023	148.2	0.0	298.3	0.0	0.0	0.0	0.0
SPR 2024	148.2	0.0	298.3	0.0	0.0	0.0	0.0
SUM 2024	148.2	0.0	298.3	0.0	0.0	0.0	0.0
WIN 2024	148.2	0.0	298.3	0.0	0.0	0.0	0.0
SPR 2025	148.2	0.0	298.7	0.0	0.0	0.0	0.0
SUM 2025	148.2	0.0	298.7	0.0	0.0	0.0	0.0
WIN 2025	148.2	0.0	298.7	0.0	0.0	0.0	0.0
SPR 2026	148.2	0.0	298.7	0.0	0.0	0.0	0.0
SUM 2026	148.2	0.0	298.7	0.0	0.0	0.0	0.0
WIN 2026	148.2	0.0	298.7	0.0	0.0	0.0	0.0
SPR 2027	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2027	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2027	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2028	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2028	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2028	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2029	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2029	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2029	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2030	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2030	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2030	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2031	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2031	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2031	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2032	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2032	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2032	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2033	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2033	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2033	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2034	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2034	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2034	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2035	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2035	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2035	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2036	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2036	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2036	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2037	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2037	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2037	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2038	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2038	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2038	0.0	298.7	298.7	0.0	0.0	0.0	0.0

SPR 2039	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2039	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2039	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2040	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2040	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2040	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2041	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2041	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2041	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2042	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2042	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2042	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2043	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2043	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2043	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2044	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2044	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2044	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2045	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2045	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2045	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2046	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2046	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2046	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2047	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2047	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2047	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2048	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2048	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2048	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2049	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2049	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2049	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2050	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2050	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2050	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2051	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2051	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2051	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2052	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2052	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2052	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2053	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2053	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2053	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2054	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2054	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2054	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2055	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2055	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2055	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2056	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2056	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2056	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2057	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2057	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2057	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2058	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2058	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2058	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2059	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2059	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2059	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2060	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2060	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2060	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2061	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2061	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2061	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2062	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2062	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2062	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2063	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2063	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2063	0.0	298.7	298.7	0.0	0.0	0.0	0.0

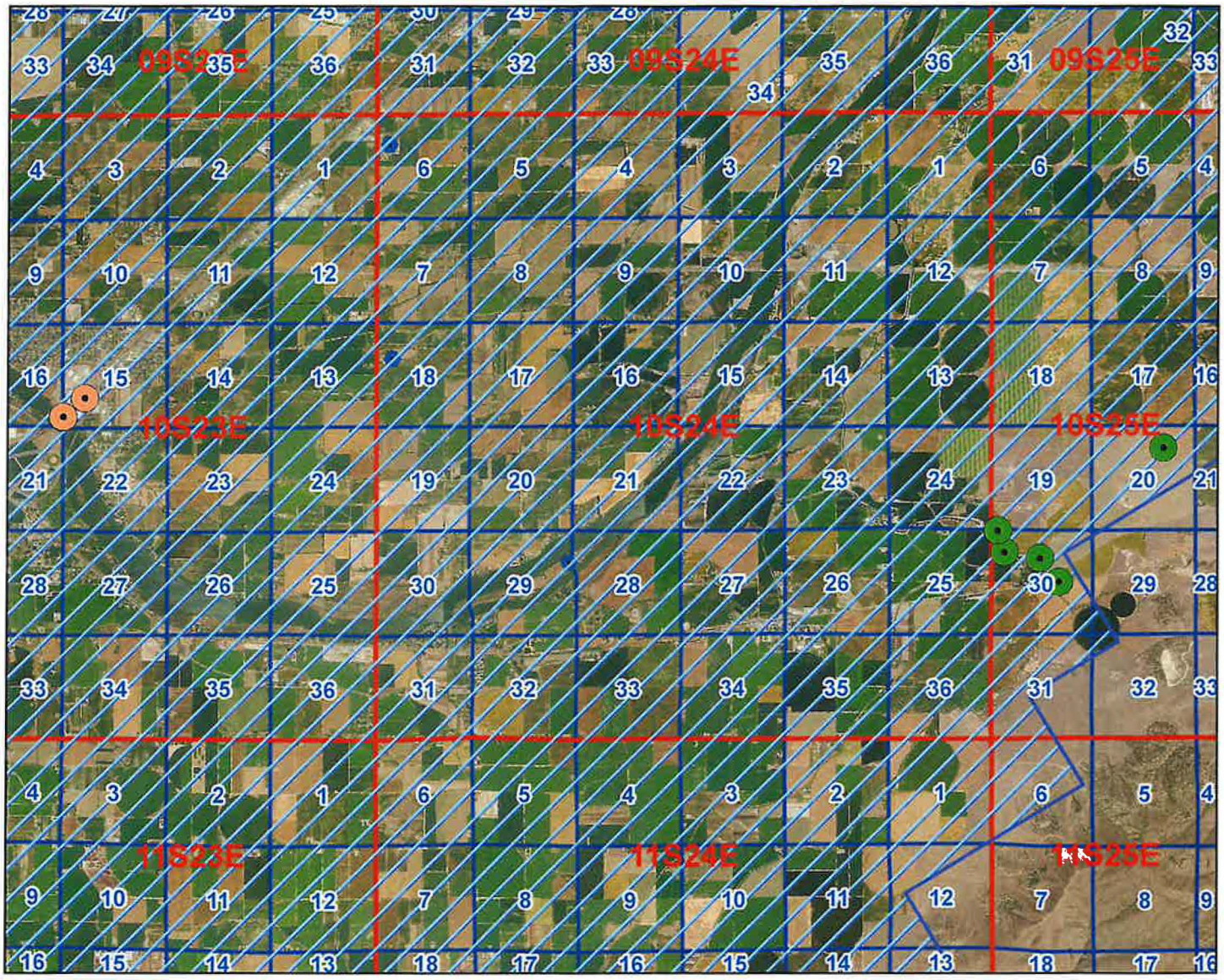
SPR 2064	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2064	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2064	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2065	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2065	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2065	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2066	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2066	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2066	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2067	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2067	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2067	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2068	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2068	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2068	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2069	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2069	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2069	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2070	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2070	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2070	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2071	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2071	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2071	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2072	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2072	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2072	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2073	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2073	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2073	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2074	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2074	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2074	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2075	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2075	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2075	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2076	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2076	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2076	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2077	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2077	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2077	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2078	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2078	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2078	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2079	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2079	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2079	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2080	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2080	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2080	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2081	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2081	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2081	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2082	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2082	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2082	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2083	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2083	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2083	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2084	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2084	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2084	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2085	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2085	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2085	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2086	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2086	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2086	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2087	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2087	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2087	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2088	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2088	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2088	0.0	298.7	298.7	0.0	0.0	0.0	0.0

SPR 2089	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2089	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2089	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2090	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2090	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2090	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2091	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2091	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2091	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2092	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2092	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2092	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2093	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2093	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2093	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2094	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2094	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2094	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2095	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2095	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2095	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2096	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2096	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2096	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2097	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2097	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2097	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2098	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2098	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2098	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SPR 2099	0.0	298.7	298.7	0.0	0.0	0.0	0.0
SUM 2099	0.0	298.7	298.7	0.0	0.0	0.0	0.0
WIN 2099	0.0	298.7	298.7	0.0	0.0	0.0	0.0

Idaho Water Resource Board

WSB Move Map - Rental Application 3089

36-4179
2025-2026



MEMORANDUM FOR AGREEMENT # 939

To: Water Right 36-4179

From: Aaron Olson

Date: 4/14/2025

Re: Review & Analysis of Application to Rent Water from the State Water Supply Bank

---

PURPOSE/NARRATIVE:
The Water Supply Bank (WSB) received rental application 3089 on October 18, 2024, on behalf of Wickel Land Company. The application proposes to rent a portion of water right 36-4179 which is leased to the Water Supply Bank under contract no. 1480. The application requests irrigation of 148.2 acres and proposes a renewal of previous rental agreement no. 939. The application proposes a 2 year rental beginning in 2025 and ending in 2026. The application proposes the same use as previous agreement no. 718.

Water right 36-4179 and the proposed rental place of use are within the Snake River Basin Moratorium Area, and the Eastern Snake Plain Aquifer Ground Water Management Area.

AUTHORITY TO FILE:
The application was signed by Jesse Wickel. The Idaho Secretary of State Business Entity search tool lists Jesse as an authorized signer on behalf of the company. The application was prepared and filed by representative Greg Sullivan of Brockway Engineering. Cassia County parcel data shows that the owner of the land appurtenant to the proposed place of use and points of diversion is owned by the applicants.

WATER RIGHT VALIDITY:
Water right 36-4179 was decreed January 15, 1998, the right has been continuously leased to the bank since 2005. There are no concerns with validity.

INJURY TO OTHER WATER RIGHTS:
The proposed points of diversion are wells approximately 9 to 10 miles east of the lease points. Both the leased rights and proposed rental are within the Eastern Snake Plain Aquifer modeling boundary. Since they are within the boundary analysis of hydrologic effects within the aquifer and to the Snake River is required for processing. Modeling using the ESPA transfer tool ETRAN V3.4 was provided as an attachment to the application. Review of the ETRAN V3.4 modeling indicates that mitigation would not be required to offset the impacts of the proposed water use at the rental location. During data entry for the ETRAN modeling the 'From 1' Cell was chosen as the cell that three of the five proposed points of diversion are located within which the other two points are in adjacent cells to. There are no concerns of injury to other water rights.

ENLARGEMENT OF USE:
The rental proposes a change in the nature of use from industrial use to Irrigation. The rental will be delivered through existing points of diversion for the applicant's water rights 45-23298, 45-2468, 45-7336, 45-13773, 45-7449, 45-7471, 45-14453, 45-14454, 45-14466, 45-14467, 45-14468, 45-14473, and 45-14474. The proposed place of use is partially overlapped by surface water irrigation rights owned by Burley Irrigation district, it is not evident that there are appurtenant shares of water from the irrigation district at this location. Information from the previous rental agreement review regarding enlargement of use that is still applicable to the current application is included below:

Water right 36-4179 is an Industrial right and is considered fully consumptive. The rental PODs are overlapped by rights 45-23298, 45-2468, 45-7336, 45- 13773, 45-7449, 45-7471, 45-14453, 45-14454, 45-14466, 45-14467, 45-14468, 45-14473, and 45-14474 which are all owned by the applicant. The rental POU is only overlapped by 45-7449 which is a stockwater right and Burley Irrigation District rights. In order to prevent enlargement, the amounts authorized for use under the rental agreement will be reduced as shown below from the total volume rented to account for the duty of water of other rights overlapping the rental. The acreage allowed was calculated using the headgate requirement at the rental location (4 acre-feet/acre annually).

	Rate (CFS)	Volume (AF)	Acres	CFS / acre	AF / acre
Rental Amounts	2.22	895	(223.8)	-	-
Authorized for Use	2.22	593	148.2	0.015	4.00

Through this rental, the change in nature of use from industrial to irrigation will also change the season of use. The industrial season of use is 1/1 to 12/31 while the irrigation season of use at the rental location is 3/15 to 11/15. A total of 895 af will be rented, with 593 af being authorized for irrigation use. If the leased right had been used industrially at the original POU, the 895 af would have been used for 12 months giving an average monthly volume of 74.58 af/mo. Through the rental, up to 593 af can be used for 8 months giving an average monthly volume of 74.13 af/mo.

The leased right shares a combined limit with rights 36-8154, 36-2648A, 36-4180, and 36-2729, but this was considered during the lease review, and it was assumed that the other rights were being fully used. The amount of 36-4179 leased reflects the difference between the combined limit and sum of other water rights.

There are no concerns of enlargement.

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

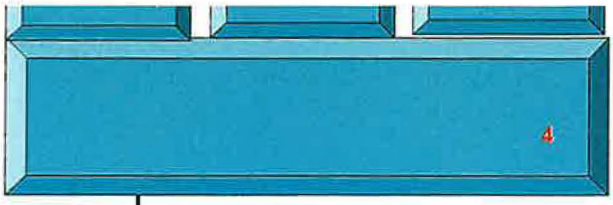
BENEFICIAL USE/CONSERVATION OF WATER RESOURCES:
The rental appears consistent with the conservation of water resources in Idaho.

DEPARTMENT STAFF OR WATERMASTER COMMENTS:
The water right is within the Southern Region, and Water District 130. The proposed rental location is within Water District 140. Requests for comment were sent to the Southern Regional Manager, the Water District 130 Watermaster, and the Water District 140 Watermaster on April 20, 2025.

ESPA ANALYSIS RESULTS: SOU - 3/15 - 11/15
2025
To Well: 90, 59 **Diversion 593 afa = 444.6 afa c/u & 148.25 at/trimester**
From Well: 84, 52 **Rental 895 afa = 895 afa c/u & 298.33 at/trimester**

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

YEAR	1959
SEASON	SUMMER
TRANSFER NO:	0
TRANSFER NAME:	test



ENTER CELL LOCATIONS:

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	90	84	0	0
COLUMN	59	52	0	0

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	FROM1 WELL With Transfer AF/TRIMESTER	FROM1 WELL Without Transfer AF/TRIMESTER	FROM2 WELL With Transfer AF/TRIMESTER	FROM2 WELL Without Transfer AF/TRIMESTER	FROM3 WELL With Transfer AF/TRIMESTER	FROM3 WELL Without Transfer AF/TRIMESTER
SUM 1959	0.00	298.33	298.33	0.00	0.00	0.00	0.00
WIN 1959	0.00	298.33	298.33	0.00	0.00	0.00	0.00
SPR 1960	0.00	298.33	298.33	0.00	0.00	0.00	0.00
SUM 1960	0.00	298.33	298.33	0.00	0.00	0.00	0.00
WIN 1960	0.00	298.33	298.33	0.00	0.00	0.00	0.00
SPR 2016	0.00	298.33	298.33	0.00	0.00	0.00	0.00
SUM 2016	0.00	298.33	298.33	0.00	0.00	0.00	0.00
WIN 2016	0.00	298.33	298.33	0.00	0.00	0.00	0.00
SPR 2017	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SUM 2017	148.20	0.00	298.33	0.00	0.00	0.00	0.00
WIN 2017	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SPR 2018	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SUM 2018	148.20	0.00	298.33	0.00	0.00	0.00	0.00
WIN 2018	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SPR 2019	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SUM 2019	148.20	0.00	298.33	0.00	0.00	0.00	0.00
WIN 2019	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SPR 2020	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SUM 2020	148.20	0.00	298.33	0.00	0.00	0.00	0.00
WIN 2020	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SPR 2021	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SUM 2021	148.20	0.00	298.33	0.00	0.00	0.00	0.00
WIN 2021	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SPR 2022	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SUM 2022	148.20	0.00	298.33	0.00	0.00	0.00	0.00
WIN 2022	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SPR 2023	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SUM 2023	148.20	0.00	298.33	0.00	0.00	0.00	0.00
WIN 2023	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SPR 2024	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SUM 2024	148.20	0.00	298.33	0.00	0.00	0.00	0.00
WIN 2024	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SPR 2025	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SUM 2025	148.20	0.00	298.33	0.00	0.00	0.00	0.00
WIN 2025	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SPR 2026	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SUM 2026	148.20	0.00	298.33	0.00	0.00	0.00	0.00
WIN 2026	148.20	0.00	298.33	0.00	0.00	0.00	0.00
SPR 2027	0.00	298.33	298.33	0.00	0.00	0.00	0.00
SUM 2027	0.00	298.33	298.33	0.00	0.00	0.00	0.00
WIN 2027	0.00	298.33	298.33	0.00	0.00	0.00	0.00

One-Way Analysis of Independent Transfers

New Water Right (GModelo):

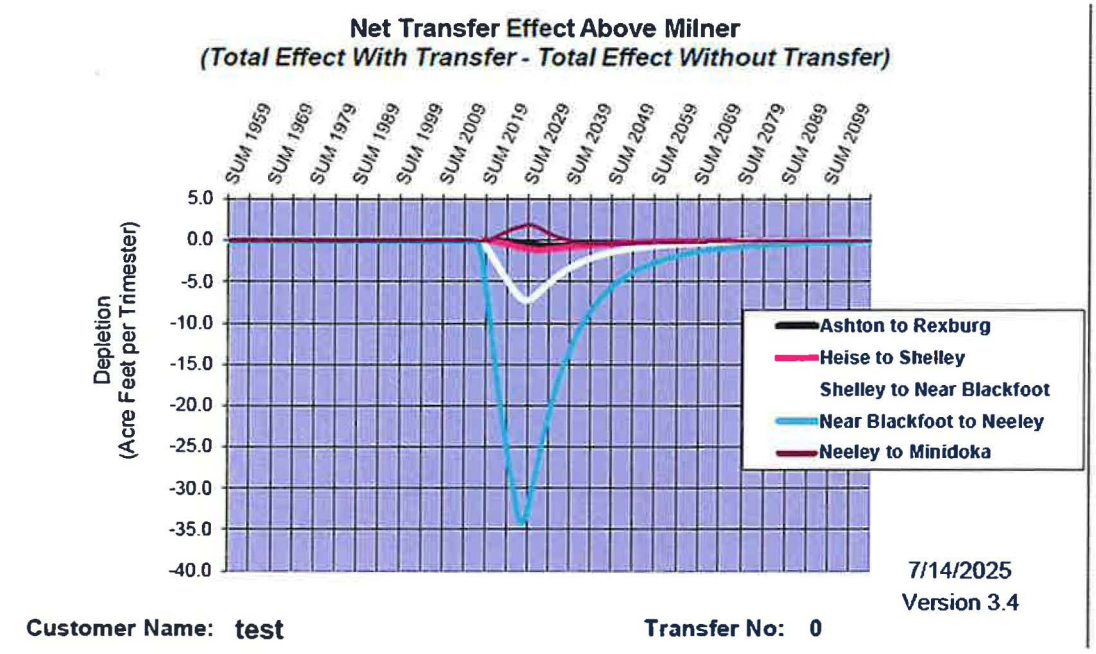
WR No.	Div. Rate (CFS)	Con. Vol. (AFA)	No. of Irr. Acres	Priority Date	POD Location	Dedicated Vol. AFA/ AFT	Model Node
Transfer 1: Proposed Steady State Impacts following Transfer							
Transfer 1: Worst Case Transient State Impacts following Transfer							

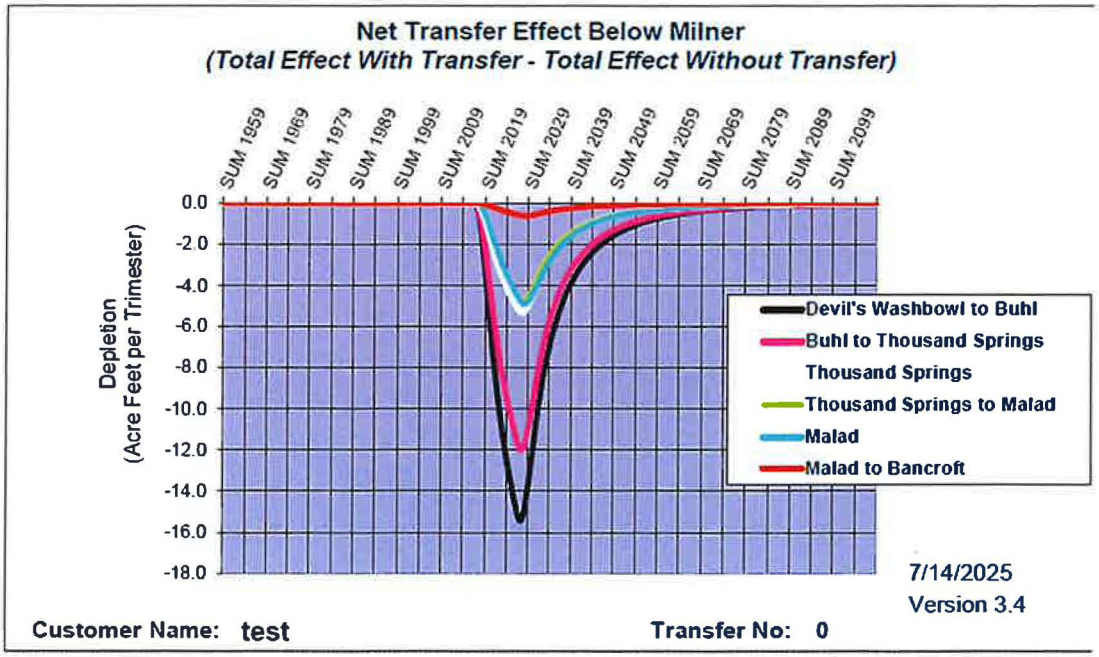
Impact by Reach (AF/Trimester)

	Ashton to Rexburg	Heise to Shelley	Shelley to Nr Blckft	Nr Blckft To Neeley	Neeley to Minidoka	Dev. Wsh. To Buhl	Buhl to Kspr	Kspr	Ksprs to Malad	Malad	Malad to Bancroft
	2.45	3.98	20.99	93.14	9.27	32.40	25.70	11.55	10.52	11.45	1.51
	2.45	3.98	20.99	93.12	9.27	32.39	25.69	11.55	10.52	11.45	1.50
	2.45	3.98	20.99	93.14	9.27	32.40	25.70	11.55	10.52	11.45	1.51
	2.45	3.98	20.99	93.12	11.04	32.39	25.69	11.55	10.52	11.45	1.50

Steady State Analysis	Mitigation Check 1 - >10% of Historical:	-0.1%	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	0.0	0.0	0.0	0.0	0.0	0.0
	Mitigation Check 3 - >10% of Total	1.1%	1.8%	0.4%	-41.8%	4.2%	14.5%	11.5%	5.2%	-4.7%	5.1%	0.7%
	Mitigation Required?:	NO	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	0.0
Transient State Analysis	Mitigation Check 1 - >10% of Historical:	-0.1%	0.0%	0.0%	0.0%	19.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
	Mitigation Check 2: > 2.01 AF/T:	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0
	Mitigation Required?:	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	Mitigation Vol. Req'd (ac-ft):	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0

Read Me





Olson, Aaron

From: Olson, Aaron
Sent: Tuesday, May 20, 2025 3:49 PM
To: Jaxon Higgs
Subject: Water Supply Bank Rental Application 3089 Wickel Land Co

Good Afternoon Jaxon,

The Water Supply Bank received an application to rent water rights 37-4179. Attached is a copy of the review memo, and maps for your review. Please provide any comments or concerns you have with the proposed rental within the next 7 days. If no comments are received in the next 7 days, I will assume there are no issues with this rental and proceed with processing.

Sincerely,

Aaron

Aaron Olson - Water Resource Agent, Principal
Idaho Dept. of Water Resources
322 E Front St Ste 648
Boise, ID 83702-7371
(208) 287-4907
Aaron.Olson@idwr.idaho.gov

Olson, Aaron

From: Olson, Aaron
Sent: Tuesday, May 20, 2025 3:48 PM
To: Skinner, Corey
Subject: Water Supply Bank Rental Application 3089 Wickel Land Co
Attachments: Rental App 3089 Move Map.pdf; Rental Agreement 939 Map.pdf; Rental App 3089 Review Memo.docx; WSB Rental Application # 3089 - Wickel Land Co (1).pdf

Good Afternoon Cory,

The Water Supply Bank received an application to rent water rights 37-4179. Attached is a copy of the review memo, and maps for your review. Please provide any comments or concerns you have with the proposed rental within the next 7 days. If no comments are received in the next 7 days, I will assume there are no issues with this rental and proceed with processing.

Sincerely,

Aaron

Aaron Olson - Water Resource Agent, Principal
Idaho Dept. of Water Resources
322 E Front St Ste 648
Boise, ID 83702-7371
(208) 287-4907
Aaron.Olson@idwr.idaho.gov

BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics
Hydrology
Water Resources

RECEIVED
OCT 18 2024
DEPT. OF WATER RESOURCES

October 15, 2024

Mary Condon
Idaho Department of Water Resources
Idaho Water Supply Bank
P.O. Box 83720
Boise, ID 83720-0098

Re: Wickel Water Rental

Dear Ms. Condon:

Wickel Land Company has rented a 592.0 acre foot portion of industrial water right 36-4179 from the Idaho Water Supply Bank for several years. The 592.0 acre feet of industrial water was used for irrigation on 148.2 acres.

Wickel Land Company desires to continue to rent 148.2 acres from water right 36-4179 for the years 2025-2026. JR Simplot Company has leased water right 36-4179 into the Idaho Water Supply Bank through 2026. This particular right has been leased into the Idaho Water Supply Bank since 2005.

The ESPA Model analysis indicates that no mitigation is required to approve this rental.

Sincerely,

Greg Sullivan, M.S., Engineer

Cc: Ardel Wickel
Enc: Rental Application, Aerial Map, ESPA Model Analysis, Annual Report

CHARLES E. BROCKWAY, PH.D., P.E.

CHARLES G. BROCKWAY, PH.D., P.E.

2016 NORTH WASHINGTON STREET • SUITE 4

TWIN FALLS, IDAHO 83301

208•736•8543

FAX: 736•8506

3089